Centre to violet, shorten the focus (increase micrometer reading)

Hour Angle
End

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

David Dunlap Observatory
74" logbook
Vol 17
Plate Nos. 13534 - 14323
Jul. 1947 - Mar. 1948

5

Date..... Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

	m.c.	s.c.	m T W. s	s T W. nw
June 30	-58.5"	+1 35.6	+22.7	+0.4

Date Monday June 30 - July 1. Y/Th Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1355/34	H.D. 137052 (E Lib)	15h 18.8m	-9° 57'	I-25"	E103a-0	.008	29°.2	21h 00m	21h 12m, 2	0h 8
1355/35	H.D. 158013	17h 21.7	+57° 05'	"	"	"	"	21h 34m	22h 04m, 3	0h 53
1355/36	H.D. 164353 (67 Oph)	17h 55m.6	+2° 56'	"	"	"	"	22h 31m	22h 32m	+1h 00
"	"	"	"	"	"	"	"	22h 38m	22h 35m 4	
"	"	"	"	"	"	"	"	22h 35m	22h 39m	
1355/37	H.D. 163506	17h 51m.4	+26° 4'	"	"	"	"	22h 54m	23h 09m, 2	0h 30
1355/38	162714	17 47.3	-6° 7	"	"	"	29.2	23 27	00 17	0h 47
1355/39	167472	18 10.3	+28 12	"	"	"	29.1-29.0	00 24	02 04	02 09
1355/40	158013	17 21.7	+57 05	"	"	"	29.0	02 14	02 44	03 39
1355/41	164042	17 54.2	+27 23	"	"	"	29.0	02 57	03 47	04 03
		Forms Test								OTB

Focus set 15.834
Ver. read 23.25
Checked plumpe + flipper

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
21h 12m 2	0h 8m W	-10° 9'	0-1	5.36	F_0 3-3-3	Thin clouds.
22h 14m 3	0h 53m E	+57° 04'	"	6.61	A_2 3-3-3	8 p. Bi. Intermittent clouds.
22h 32m	1h 00m E	+2° 54'	"	3.80	B_5/p 10	
22h 35m		"	"	"	" 10	3 exp. on one plate
22h 39m		"	"	"	" 5-5	
23h 09m	0h 30m E	+26° 04'	1	5.90	F_5/p 3-3-3	PH #2 LOADED WRONG Thin clouds
00 17	0h 43m W	- 6 08	1	7.2	G_0p 3-3-3	
02 04	02h 09 W	+28 10	1-2	7.58	K_0 3-3-3	THIN CLOUDS
02.44	03 38W	+57 03	1-3-2	6.61	A_2 3-3-3	
03 47	04 08W	+27 23	1-0	8.39	K_2 3-3-3	STILL THIN CLOUDS; GROUND FOG
	OTB	10/4				

1 PH LDD

PLATES NEEDED

9

Date Tuesday July 1-2/47 N./W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13542	H.D. 164898	17 58.3	+45 21	I-25"	E-103a.O	set. .008	+23.3°C	21 00	22 02 3	1.37
13543	145457	16 06.0	+27 01	"	"	"	23.2	22 07	22 59 4	1.12 W
13544	196133	20 30.3	+44 50	"	"	"	23.0	23 08	23 44 1	2.21 E
13545	158013	17 21.7	+57 05	"	"	"	23.0	23 53	02 17 2	3.16 W
13546	196133	20 30.3	+44 50	"	"	"	23.0	02 50	03 34 3	1.23 W
	Focus Test									

Focus set 15.738

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
22 02 3	1 37 E	+45 20	0	7.44 A_0	3-3-3	Binary
22 59 4	1 12 W	+26 53	0	7.40 K_0	3-3-3	
23 44 1	2 27 E	+44 57	0	6.68 A_2	3-3-3	Binary
02 17	3 15 W	+57 03	0	6.61 A_2	3-3-3	" - alto-cumulus cloud, 23.6 MANY PASSING CLOUDS, STAR GONE 00 50. HR. ∠ 1 29 W. - SHOULD CLEAR RESTARTED 01 10, STAR GONE 01 24, HR. ∠ 2 22 W - RE START 02.00
0334	1 23 W	+44 58 O.T.B.	0-1	6.68 A_2	3-3-3 10/7.	BINARY WAITED FOR REQUIRED STARTING TIME.

4 P.H. LOADED.

Date Wednesday, July 2-3, 1947 G.M.T. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13547	HD 134680	15 06.1	+27 48	1-25	E103a0	.008	+20°9	21h 00m	00 18
13548	HD 158013	17 21.7	57 05	"	"	"	+20.5	0h 25m	00 55
13549	HD 154590	19 30.1	25 08	"	"	"	+20.5	0100	02 46
13550	HDZ+16.12	21 22.9	25 09	"	"	"	+20.4	0250	03 50

Focus Test

Temp +20.9, Focus set 15.701
Checked finger & flipper, prism position

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
[illegible]	3 35 W	+27°36	0, 0~1	8.93 Ko	Comp. 3~3~3 Sky perfectly clear. Seeing [illegible]
[illegible]	1 57 W	57 02	1	6.61 Az	3-3-3 BINARY
[illegible]	1 39 W	25 13	1	8.42 Mo	3-3-3 AG 25
[illegible]	[illegible]	28 21	1	7.54 K2	3-3- AG 25
		O.T.B.			10/7

4 PHs LOADED

NEW BOX PLATES NEEDED

July 3 [illegible]

13

1947

Date Thursday July 3-4 G~ Th ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13551	170829	18 26.4	+20°46	I~25	E103a0	.008	22.9	20h 54m	21 34	1
13552	152013	17 21.7	+57 05	1.25"	F11	"	22.9	21 49	22 09	2
13553	147665	16 15.1	+24 57	"	"	"	22.8	22 20	01 40	3
13554	170829	18 26.4	+20 46	"	"	"	22.8	01 50	02 32	4
13555	152013	17 21.7	+57 05	"	"	"	22.7	02 42	03 06	5
13556	~~147665~~	~~16 15.1~~	~~+24 57~~	"	"	2	22.8	03 19	03 55	6
		Focus Test								

Spect Temp 22.9
TH is rolling 15.7 15
Clouded up over Cygnus

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
21 34	2 16E	+20 46	3.2.2	7.59, G8	3-3-3	
22 27	0 45E	+57 03	2.2.2	6.61 A_2	3-3-3	DOME LOCKED FOR THE SAKE OF THE SEEING
01 -	+9W	+24 52	2.1.1	8.91 G5	3-3-3	22 10 THIN CLOUDS IN S 23 10 CLOUDS ALMOST GONE 00 50 CIRRUS CLOUD
02 12	2 32W	+20 46	1.1.1	7.59 G8	3.3.3	
2 26	4 12W	+57 03	1.0	6.61 A_2	3-3-3	
19 55	0 59E	+24 38	1.2.2	~~7.44 K0~~	3.3.3	Wrong star; probably 220694, 23 20.7 +24 25 6.86 A_3
		OTP			10/7	
						2 PH's LDD.

Date Sunday July 5 1947 L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13557	HD 125275	19 309	29 54	I 25	Ek3a O	3rd .008	26.5	00 20	01 00	3
13558F	" 201490	21 049	29 58	"	"	"	26.8	02 45		4
	Sun Spot				C7B					

Saturday July 5/47 H-No
6 visitors ; sky cloudy.

Sunday July 6/47 No
2 visitors ; sky overcast with scattered thunder showers.

Spot put on Minor at 19:30 E.S.T.

Focus set Pmic. 15.795

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						Hazy miserable on first half. Gradually cloudy both much haze
	1 30	29 58	1	8.35 G5	3-3-3	AG 25 Haze, thickening
		30 09	1	8.05 G0	3	" " Clearing late, still more clouds and haze! photog what a night!
					10/7	

Date Mon July 7-8 1947 I-G. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13558	HD 164898	17 57.3	+45 21	25"	C 103a-O	.008	+22.5	20 56	22 3
13559	159013	17 21.7	+57 05				+22.7	22 38	23 3
	~~13+762~~	17 03~~9~~	+25 16						

Saturday, 1947 Jul. 12-13 N

Cloudy with showers during day. Broken at sunset.
Gave talk and slides; showed 24 with solar telescope.
About 50 visitors.
Broken clouds and haze through the night [illegible]

Clouds clearing before dark

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	[illegible]	+45° 20'	[illegible]	7.44 A_0	3-3-3	Focus set 15.730 Runny — few passing clouds at 11:30
	[illegible]	+57° 02'	[illegible]	6.61 A_0	3-[illegible]-3	clouds clearing 12:57 T cm 13.01, [illegible]
				8.14 K_0		
						Clouds - close up. OC 20
						4+4 plates in dewar
						Focus changed from 15.730 to 15.674
						Opened but could not make any exposures - fog.
						MG. SC. T Tyc T Tsh
						[illegible] -1 [illegible] +1 [illegible] +44.6 +0.7
						[illegible] -1 07 7 +1 51 7 +52.1 +0.8
						Three [illegible] - cloudy, one [illegible]

Date Sunday July 13-14 D-G Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13560	HD 158013	17 21.7	+57 05	I~25	E103a0	003	+28.0	2[illegible]1.6	0h 48m	[illegible]

Poor conditions at dusk, but clearing considerably soon after. 20

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp. Focus 15 81 9	REMARKS
0[illegible]	$2^h 04^m$ W	+57 02	0"	6·6 i A_6	3-3-3	Haze, pretty heavy cirr. Too windy
						Gem -14 -1 10.7 +1 57.8 [illegible] +1 10 +1 07
						[illegible] +0 13 +2 1
						Lyr 16 -1 13 5 +1 [illegible] [illegible] +0 8

21

Date Thurs July 17-18 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13561	HD 158013	17 17	+57 05			1.05	+22.2	2 48	02 [illegible]	
13562	17 2167	18 21 0	+29 29				+22.0	00 91	01 93	
13563	18 [illegible]	19 49.4	+27 [illegible]				+22.0	01 96	02 [illegible]	
13564	20 1990	20 [illegible]	+21 [illegible]				+21.0	02 43	02 37	
13565	2019	20 [illegible]	+32 49				+23.8	03 90	04 [illegible]	
	Foc. T+									

Clearing about 23:00 hours
overhead

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	2h 19m	+27 64	0-1	6.61 K	3-1-1	
	3h 7m W	T 27 36	1"	7.69 K	3-3-3	
	4h 13m W	+27 57	2	7.79 K	3-3-3	
	1h 52m W	+30 07	2	7.85 K	3-3-3	
	1h 7m E	+31 39	2"	6.18 K	3-3-3	
					10-7	Mount off
						Set platen down
						July 13/47 .21 .14 .12 .11 .10

Date Sat Jul 19-20 H.D. - Th. - G. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13564	158013	17 21.7	+57 05	1.=24	Eim$_{A-E}$	0.008	19.4	10 17	10 57
13567	166042	17 57.4	+25 32	"	"	"	19.1	11 08	11 56
13568	164898	17 58.3	+45 21				19.0	00 06	1 06
13569	191615	20 08.7	+25 15	"	"	"	18.9	1 17	3 14
13570	2019	00 19.1	+20 41	"	"	"	19.0	3 34	4 46

Temp 19.4

Barometer 15.680

Ending Time EST	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	1 05 W	+7 03	0-0	6·61	3-3-3	L STRONG
	1 15 W	+25 12	0-1	7·44 K₀	3-3-3	WK
	2 39 W	+5 20	0	7·44 A₀	3-3-3	L. WK
	2 31 W	+25 21	0-	8·39 K₀	3-3-3	WK
	0 45 E	+31° 05	0-1	6·78	3-3-3	GOOD

Plate holders 1, 2, & 4 loaded in N Line

" " 3 empty in spilling room.

25

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Ang. End
13571	HD 158013	17 21.7	+57 05	16"		0'8	16.8			
13572	175273	24 15.2	+26 36				16.7	01 25	01 38	
13573	212283	22 30	+24 50				16.7	02 41	02 51	
13574	2019	00 14	+30 49				16.6	03 34	03 45	
	[illegible]									

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	Focus 1.642 REMARKS

27

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13575	164898	17 58.3	+46 21	I-25	E103a0	002	23.7	21 03	
13576	161196	17 39.1	+29 42	"	"	"	23.7	22 13	1 18
13577	[illegible]	[illegible]	+26 58	"	"	"	[illegible]	0 24	1 [illegible]
13578	164898	17 58.3	+46 21	"	"	"	23.2	1 52	2 52
13579	216502	22 49.3	+26 28	"	"		23.3	3.06	4 12
	Focus test								

Tennessee 2-8 15" T & 2 Focus Setting

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	0 [illegible] E	+45° 2.1'	[illegible]	7.44 A_0	3~[illegible]
	[illegible] W	+29° 39'	1-2	8.32 M_2	3~3~3
	[illegible] N	[illegible]	[illegible]	8.23 K_2	3~[illegible]
2½	4 04 W	+45° 20'	0-1	7.44 A_0	3~3
12	1 13 W	+27° 40	1-2	8.20 K_0	3~3
					LOADED PLATE HOLDERS
					#s 1 & 2 IN N. PLATE
					ENTIES IN SPOTTING ROOM.
					5h. M.
					[illegible] 25 +2 10.1 -1 20.0 +13 [illegible] +2 [illegible]

29

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

31

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13583	HD 121917	19 37.3	+21 11					20 38	21 44
13584		17 24.7	+57 07				+24.5	21 49	22 57
		1202.5	+18 16					32 19	33 43
	11472 ?	20 29 4	+25 32						
								01 06	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	Focus 6 to 15.749 REMARKS
2:44	03h 11m W		2	7.90 G_5	3-3-3	
	0 53 W	+57 03	1-2	6.61 A_0	3-3-3	
	2 48 W		2	8.14 K_0	3-3-3	Trouble identifying *
	1 32 W	+26 12	3	non K_2	3-3-3	Bands 23 50
	3 12 W	+25 10		7~~9~~.6 A_0	3-3-3	
	1 46 E	+31 06	1	6.7 B_7	3-3-3	Sky Clouds
				6 P A		Lightning thunder
					10-7	
						+20 plate 1 dim
						Keeton observing

Date Wed July 31 1907 Th Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13589	1 18013	17 21.7	+57 05	"	"	.004	27.4	23 41	00 41	1/3
13590	170829	19 26.4	+20 44	"	"	"	27.2	00 51	02 51	4
13591	218393	23 02.6	+49 40	"	"	"	27.1	02 57	03 59	1
	Same Field									

CLEARING
23 00

Temp 27.6
[illegible] Setting 15 806

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
[illegible]	3 34 W	+57 02	1	6.61 A_2	3~3~3	[illegible] WINDY; IMAGES NOT [illegible]
2 51	4 38 W	+20 46	1~0	7.59 G8	3~3~3	HEAVY CLOUDS; OI OF CLOUDS THIN BUT OI +0
0 [illegible] 9	1 10 W	+59 45	0	6.8 A_{V_2}	3~3~3	*GONE 03 2 - 03 15 MORE CLOUDS
					10/7	
						4 PH, 1 DD
						16 PLATES [illegible] PATTERN

35

Date Thursday Jul 21-Aug 1/41 No 6 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13592	H.D.156377	17 12.1	+15 08	1-25"	E103a-O	.008	+20.8°C	20 30	21 [illegible]	[illegible]
13593	156013	17 20.1	+57 04	"	"	"	20.4	21 44	22 30	2.1
13594	173425	18 40.2	+26 08	"	"	"	20.2	22 43	1 21	3
13595	17[illegible]	[illegible]	[illegible]	"	"	"	20.1	[illegible]	[illegible]	[illegible]
13596	17[illegible]	[illegible]	[illegible]	"	"	"	20.1	[illegible]	[illegible]	[illegible]

Focus Set 15.700

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	2 43W	+18 03	0	6.90 B_9	3-3-3	Haze!
	1 26W	+57 04	0	6.61 A_2	3-3-3	"
	3 2W	+26 02	0	8.72 G_5	3-3-3	Increase for faint but field ok to check O.K.
	4 5W	+ 20 46	0-1	7.51 G_1	3-3-3	
	1 32W	+47 03	1-2	6.8 A_{II}	3-3-3	
						Focus Test. 1 H Plates, 2 OPES
						Loaded in N. Pier.

37

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13597	AD 15h 03	17h 27	[illegible]	T-37	F 35/2	20"	21.1	10 46	[illegible]	[illegible]
13598	15 34	17 05	-28 31	"	"	"	21.1	11 15	2 8	[illegible]
13599	[illegible]	[illegible]	[illegible]	"	"	"	20.8	11 34	2 46	[illegible]
13600	20 46 12	21 24 7	38 09	"	"	"	21.3	01 21	[illegible]	[illegible]
13601	[illegible]	[illegible]	[illegible]	"	"	"	21.2	01 51	3 37	[illegible]
13602	[illegible]	[illegible]	[illegible]	"	"	"	21.2	03 12	[illegible]	[illegible]

Sat. Aug 2-3. Hd. Th about 20 visitors. Cloudy
Showed transparencies and telescope

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	1 41 W	20 00		7.14 K2	3-1-3
	1 42 W	25 20	0-1	7.54 K2	3-1-3 AG [illegible] SAME * FIELD AS 1350
	0 51 W	49 53	0	6.5 Ave	3-2-3 Bre Prog.
	1 53 W	31 03	0-	5.75 B7	3-3-3 Binary
		0.7 B.			M/1
					2 P. Hrs. Lost
					Watch "Cramped"

39

Date Sunday, Aug 3/4, 1941 Th Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13603	15 80 ;	17 21 7	+[illegible]	I-25	E.A.	.008	25.9	21 02	22 02	3
13604	167375	18 09.4	+26 12	"	"	"	24.9	22 11	00 07	1
	Focus test									

Spect Temp 26.0
Primary 15.781

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	[illegible]	REMARKS
23:52	01 10W	T 57 03	☹ - 1~	[illegible]	3~3	HAZE [illegible]
00 07		+ 26 12	0	7.93 K$_0$	3~3	THICKER HAZE, CLOUDS AT 1:05
						4 PM, LDD
						LEFT DOME LIGHTS WENT TO RED
						WATCHED Wound

41

Date Monday Aug 4-5, 1947 G Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13605	HD 150086	16 58.7	+29 02	I-25	E-103a	008	27.4	2.0	2.51	
13606	HD 158013	17 24.7	+57 05	"	"	"	27.3	2.38	3.[illegible]	
13607	D 218393	22 [illegible]	+49 09	"	"	"	27.3	3.25	4.07	
[illegible] TEST	-13607 F						27.1			

Temp. read 27.8 below spectrograph about 9 a.m.
Focus set 15.8+0

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	E 9 TW	+28° S.n	2-1	B-A2 Ge	2-1-3	It rained last period tonight. Very little overhead. Cloud to the south.
	2 - W	+63° 2 W	2-1	G.6 / A2	3-1-3	good
	E 37 E	+1° - 2		G-K A2	3-3-3	too strong. M.W.C. #247
					10-7	Two focus tests - settings 9 and 1.
						4 LOADER PLANE HOLDERS IN N. PIER.
						Avg 2 Hours [illegible]
						[illegible]

43

Date Tues Aug 5 6 1947 D Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13608	HD 158012	17 21.7	+25 05	1-25"	5-103a-0	1mm	29.7	20 32	21 1	
13609	158039	17 09.6	+25 07				28.6	21 16	22 45	
13610	159197	17 20.5	+26 01				28.5	22 52	00 32	
13611	197515	20 19.1	+25 15				29.4	21 16	01	
13612	201155	21 08.5	+28 02				29.9	22 51	03	
13613	218393	23 02.6	+44 46				29.2	23 20	04	
	Four F. #									

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Focus	REMARKS

H5

Date Wed Aug 6–7, 1949 Hd / W. **Julian Day** [illegible]-04

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13614	HD 158013 Focus test	17 21.7	57 05	I-25	E103aO	008	28.1	21 50	22 36	2
13615	HD 158013	17 21.7	57 05	"	"		27.7	0046	0143	2 W
13616	MWC 397 21 23 73	23 02 E	49 10	"	"		27.7	0152	0310	1 W
13617	2019	19.4	30 49	"	"		27.7	0316	0420	1 W
		Focus Test								

Murky at sunset. Clearing (?) later.

Found focus + 15.928!
3rd ✓ Tr 15.814 Vernier reads 23.23
= tab. − 0.15

checked plunger + flipper.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	W 1 56	57 03	0	6.61 Az	3,3,3	Sky murk worse toward end.
		O.T.B.			7/5	
						SKY MURKY IN WEST, DID NOT THINK IT POSSIBLE TO GET THIS BUT TRIED ANYWAY
	5.00 W.	57 03	000	6.61 Az	3-3-3	Seeing boiling - Binary
	0 49 W	49 53	0	6.8 Ave	3-3-3	HAZE Be Program!
	0 41 W	31 04	0-1	6.78 Bq	3-3-3	HAZE Binary E.F.M.
		O.T.B			10/7	

POSITION OF FLIPPER FINITE THESE 2 EXP.

POSITION IN 2 EXP.

focus ok

3 Phs. Loaded

Box Plates Needed

Date Saturday, Aug 9-10 Wn 2/ W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13618	MD 15601 3	17 21.7	57 05	1-45"	5 IIaD	Pa¹ 0.2	25.6	22 10	22 -	
	15601 3						25.6	22 42	23 12	
	15601 3						25.6	23 12	23 37	
13619	18 23.7	17 [illegible] + 25 20					25.6	00 02	02 06	3 04 W
13620	218660	23 04.7	29 08				25.3	02 11	03 37	1 47 W
13621	201 [illegible]	[illegible]	[illegible]					03 43	04 20	2 24 W
		Focus Lost								

40 VISITORS INCLUDING EGYPTIAN METEOROLOGISTS

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	2h 17m W	+57 03	"	Col: A,	3-3-3	Setting 1
	2h 45m W		"		3-3-3	5
	3h 25m W		"		3-3-3	N E
02	3 04W	32 [illegible]	1t	B 19 G	3-3-3	A.G. 25
03	1 27W	20 [illegible]	1-	7.52 K	3-3-3	A.G. 23
04	0 25W	31 05	1	6 B	3-3-3	BINARY J.E.H.
		E. T. B.			10/7	

Dark light failed

Limited

4 P. Halt Put in "Fric"

Box Blacks

Date Sunday Aug 10 '41 D. No. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Ind
13622	HD 158043	17 17 7	-51 51'	1-35"	Eastman 40	Full 008	+27.6	20 26	21 04	
13623	"	+7 49.9	-51 08	"	"	"	+27.4	21 [illegible]	21 03	
13624	"	17 21 7	-45 7 00	"	"	"	+26.3	22 07	22 50	
13625	162678	17 [illegible]	16° 12	"	"	"	+23.1	22 56	23 [illegible]	
13626	158043	17 21 7	-45 7 00	"	"	"	+27.0	[illegible]	[illegible]	
13627	158043	[illegible]	[illegible]	"	"	"	+27.0	23 [illegible]	23 [illegible]	
13628	[illegible]	[illegible]	[illegible]	"	"	"	+27.1	0 [illegible]	0 [illegible]	
	Focus test			[illegible]	[illegible]		[illegible]	[illegible]		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	2°40'W	+57 03	2-1	661 A_0	3-3-3	Focus set 15.9 [illegible] Have [illegible]
	1°04'W	+61 17	1-2	714 A_0	3-3-3	Sup List "
	2 25W	+61 13	1-2	661 A_0	3-3-3	"
	0 W	+61 11	1-2	703 F_2	3-3-3	Sup. List.
	1 W	+57 03	1-2	661 A_0	3-3-3	testing 3 [illegible] variable [illegible]
	1 W	+57 02	2	691 A_0	3-3-3	Have
	1 W	+61 15	2	913 X_0	3-3-3	Have [illegible] [illegible] O.K
						M.T.W. S.T.L.
						Dew 11 +1.12 +0.1

Date Monday Aug 11-12 ½ W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13629	HD 16[illegible]	17h 47m [illegible]	-6° 3'	I-25"	[illegible]	[illegible]	+2[illegible]	2[illegible]	21h 17m	[illegible]
13630	HD 17[illegible]	18 [illegible]	+17 [illegible]	"	"	"	+2[illegible]	21h [illegible]	[illegible]	[illegible]
13631	HD [illegible]	19 [illegible]	+1 [illegible]	"	"	"	"	[illegible]	[illegible]	[illegible]
13632	HD [illegible]	19 [illegible]	+29 [illegible]	"	"	"	"	22h [illegible]	[illegible]	[illegible]
[illegible]	H [illegible]	[illegible]	+35 [illegible]	"	"	"	"	23h [illegible]	[illegible]	[illegible]
13634	HD 203171	21 15.5	27 04	"	"	"	27.9	00 14	02 18	[illegible]
13635	MWC 397 HD 215393	[illegible]	+7 [illegible]	"	"	"	28.0	02 22	03 12	[illegible]
	Z And HD 221650	23 28.8	+48 16	"	"	"				
13636	HD 2019	00 19.4	30 44	"	"	"	25 0	03 35	04 35	[illegible]
		Focus Test								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
				Var. Sep	3-3-3 fogged
		+17° 17'	1	4 F	3-3-3 "
			2	4 G	3-3-3 "
			2	4 F2p	3-3-3 "
			2	4 G0p	3-3-3 "
					THIS * HAS A VERY FAINT COMPONENT.
	0 03 W	+27 15	2	7.43 G5	3-3-3 A.G. 25
	1 10 W	49 53	2	6.8 Ave	3-3-3 Be Prog. (Hd.)
				F5v 8.3-11.4 Cep	COULD NOT DETERMINE FROM FIELD WHICH WAS [illegible]
	1 06 W	31 04		6.7± Bq	3-3-3 BINARY
		O.T.B.			10/7

1 P.H. LOADED - IN FRIG
BOX PLATES " "

Plates [illegible] fogged in plateholders for lack in refrigerator on transit.
Box for carrying holders ordered Aug 13.

53

Date Tuesday, Aug 12 13/47 N.-D. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
3627	NGC 7801	0h 21.7m	+1° 02'	1-24"	103aO	#2	+31.0°	20 20		
				"	"	"	+31.0	20 46	21 21	
							+31.0	21 32		
				"	"	"	+31.0	21 53	22 51	
				"	"	"	+31.0	22 05		

Focus set 15.6

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Corr'n.	REMARKS
	C 23 W	+5 25	2-3	6.61 A_2	3-3-3	
	1 07 W	+75 18	2-3	7.24 F_2	3-3-3	Sup. Int.
	1 31 W	+71 02	2-3	6.61 A_2	3-3-3	
	1 56 W	+66 38	2-3	7.65 F_2	3-3-3	Sup. Int.
	[illegible] W	[illegible]	2-3	6.61 A_2	3-3-3	
	[illegible] W	[illegible]	2-3	7.57 G-	3-3-3	[illegible]
	[illegible]	[illegible]	3*	6.61 F_2	3-3-3	
	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	5	[illegible]	3-3-3	
	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]
					111-7	Aug 13 −1 395 +2 327 [illegible]

55

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13648	M 35	17 16	- 25 38	24	Tri-X	.006	30.8	05 44	11 47	
13649	1672-73	17 09.4	+26 12				36.7	10 52	00	
13650	HD 208415	21 51.0	30 21	"	"	"	30.4	00 22	02 12	
13651	" 21 3532	23 02.6	+1 50	"	"	"	31.1	02 21	05	
13652	M1 1605	00 13.5	36 25	"	"	"	33.9	05 02	07 51	
	Focus Spot				G.T.					

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

57

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13										
14										

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date Aug. 16-17, 1929 G/W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13655 X5	10588	01 38.2	31 43	"	"	"	25.0	00 16	01 16	2 E
13656 X6	M.W.C. 397 Z 18393	23 02.6	49 40	"	"	"	25.0	01 31	02 31	1 W
13657 X7	Z ANDROMEDA HD 221650	23 28.8	48 16	"	"	"				
13658 X8	167	00 01.4	28 00	"	"	"	25.0	02 47	03 45	2 W.
13659 X9	7299	01 08.1	29 12	"	"	"	25.0	03 49	04 33	1 W.

Focus Test

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	[illegible] W	+5102	[illegible]	6.61	3N3-3	THIS PLATE ABOUT 1/4" SHORT, HENCE DOES NOT FIT PROPERLY IN PLATE BOX.
.01.10	3 03 E	31 54	0	7.20 G5	3-3-3	SAME FOR THIS PLATE. FROM THE SMELL OF THE PAINT AND THE FEEL OF THE SIZE, IT IS NOT THE GR. GUIDING. BINARY RIGHT BOX!!!
[illegible]	0 48 W.	49 53	0	6.8 Ave Est ?	3-3-3	Be PROGRAM (HEARD).
				8-3-11 +Occ.		COULD NOT IDENTIFY *
.0345	1 04 W.	28 14	0-1	7.62 Ko	3-3-3	AG 25
.1433	0 45 W.	29 25	1	7.44 Ko	3-3-3	AG 25
		O.T.B.			10/7	
						1 P.H. LOADED - IN FRIG.
						BOX PLATES " "
						EXPOSED PLATES WRAPPED + PUT IN
						SMALL CARDBOARD BOX

61

Date Aug. 17-18/+Sunday YU/G Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13660	FF Aql HD 176155	18h 53.8m	+17° 14'	I-25"	I03a-D	.008	25°.0	20h 44m	21h 14m, 3	
13661	TT Aql HD 178359	19h 3.2m	+1° 9'	"	"	"	"	21h 23m	22h 50m, 1	
13662	SU Cyn HD 186688	19h 40.8m	+29° 1'	"	"	"	"	23h 00m	23h 30m, 2	
13663	X Cyn HD 197572	20h 39.5m	+35° 14'	"	"	"	"	23h 37m	0h 15m, 3	
13664	158013	17h 21.7m	+57° 05'				25°.0	0h 32m	0h 56m	4
13665	F									

Focus set 15.766
Ver read. 23.30
Cloudy until 20h 15m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21h 2m	0h 15m E	+17° 15'	1	Var: F5-	3-3-3 Slight haze from
22h 33m	1h 12m W	+1° 13'	1-2	" G5-	3-3-3 " " moon
23h 38m	1h 15m W	+29° 6'	2	" F2p	3-3-3 " " fair
0h 15m	0h 59 W	+35° 23'	2	" G0p	3-3-3 Passing cloud
6h	5h 00 W	+57° 04'	1	6.61 A2	3v3v3 moon
					FOCUS TEST. focus OK.
					3 PLATEHOLDERS LOADED (ONE EMPTY) IN STANDARD Box.

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
15										
16										
	Focus test									

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
				10-7	9)	Hazing in 2300, clear up. Heavy rain 0010

Aug 19 +35 +07

Aug 20 -01 +02 +31 +10

Aug 22 -01 +02 +12 +01

65

Date 1947 Fri Aug 22-23 Tu-G Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13667	HD 154081	16 58 2	+38 36	I-24	F103a0	008	26.5	19 50	20 20
13668	162578	17 48·3	+62 48	"	"	"	26·4	20 25	21 05
13669	163203	17 49·9	+56 08	"	"	"	26 2	21 09	21 49
13670	183143	19 23·0	+18 05	"	"	"	25·9	21 56	22 40
13671	195407	20 26·0	+36 39	"	"	"	25 5	22 46	23 26
13672	AG+30°39	21 3·21	+29°09	"	"	"	35·1	0 24	0 58
13673	NGC 7355	21 38·8	+31°43	"	"	"	25 1	1 [illegible]	1 [illegible]
	Focus test								4 52 ?

Set focus 15.790

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	1 06W	+58° 32'	0-1	6.5D A_3	3-3-3	Supp. Cit
	1 02W	+62 48	1-2	7.03 F_2	3-3-3	"
	1 43W	+56 06	1-2+	7.14 A_3	3-3-3	" Reset focus to 15.775
	1 00W	+18 10	2+	6.9 Bse	3-3-3	Beprog. MWC 317
	1 24W	+36 48	1-2	7.7 Bse	3-3-3	MWC 346 15.765 ← Focus reset
	2 17	+25 47	1-2	6.93 5	3-3-3	
	0 37	+31 55	2	7.16 F_2	3-3-3	
4 52		OTB. 7/7				

Flashlight kaput.

focus bad

focus fair

focus fair

focus fair

focus worse

focus worse

focus O.K.

2 HOLES ARE CONNECTED
2 POINT WAY SPECTRA RETURNED
1 OUTSIDE FIELD

Date [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13674	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22 42	00 26	[illegible]
13675	211606	22 13.2	26 26	"	"	"	28.2	00 30	01 30	[illegible]
	Z And. 221650	23 28.8	48 16	"	"	"				
13676	2019	00 19.4	30 49	"	"	"	28.3	02 04	02 34	[illegible]
13677	1501	00 41.1	25 55	"	"	"	28.2	02 38	03 44	[illegible]
13678	8747	01 21.2	26 43	"	"	"	28.1	03 48	04 38	[illegible]
		Focus Test								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
00 [illegible]	2 04 W	[illegible]	[illegible]	[illegible]	3-3-3	A.G. 25 [illegible] good
01 80	1 05 W	26 40	3	7.95 K 5 EST. 9.9 M. 8.3-11.4 Opp.	3-3-3	A.G. 25 [illegible] 1 weak VARIABLE * LOCATED STAR, BELIEVE THAT IT IS TOO FAINT TO PHOTOGRAPH WITH THIS CAMERA, ALTHOUGH PRESENT SEEING VERY GOOD (3). SOME HAZE.
02 34	0 02 W	31 03	2-3	6.78 B9	3-3-3	BINARY (HEARD) fair
03 44	1 18 W	26 08	2-3	8.07 G0	3-3-3	AG 25 1 weak
04 38	1 05 W	26 57	3	7.65 K0	3-3-3/10/7	A.G. 25 fair focus OK
		O.T.B.				
						4 P.Hs. LOADED + IN REFER.
						4 Ps. " "
						1 NEW 5x8 Ps NEEDED.
						Orbit of 80 Hi visitor
						N 13' with 74-in; 2 Q with 5" good

Date Sun Aug 24-25/47 Ta Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13679	HD 157297	17 17.3	+11 47	9.25	E103a0	.008	28.0	19 51	20 25	
13680	MWC 320	19 41.3	+08 44	"	"	"	28.0	20 36	22 36	
13681	HD 193009	20 12.9	+32 04	"	"	"	27.9	22 40	23 01	
13682	195407	20 26.0	+36 29	"	"	"	27.9	23 03	23 43	
13683	218393	23 02.6	+49 40	"	"	"	27.9	23 53	00 11	
13684	217050	22 52.7	+48 09	"	"	"	27.9	00 14	00	
13685	211555	22 12.8	+25 53	"	"	"	27.9	00 31	01 11	
13686	218170	23 00.7	+18 29	"	"	"	27.8	01 14	02 14	
13687	224392	23 59.9	+27 07	"	"	"	27.8	02 17	02 47	
13688	10388	01 38.2	+31 43	"	"	"	27.8	02 52	03 16	
13689	7299	01 08.1	+29 12	"	"	"	27.8	03 20	03 50	
13690	9224	01 25.7	+28 54	"	"	"	27.8	03 53	04 33	
	Diurnal Test									

Focus Set. 813

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
2025	0 59W	+11 41	2	7.08 Ao	3-3-3	Supp Lists
2046	0 45W	+05 51	2-3	8.5 B3ne	3-3-3	Some difficulty finding. Setting circles. See sketch
2123	0 39W	+32 12	3	7.0 Bone	3-3-3	MWC 336
2343	1 09W	+36 49	3	7.7 B3e	3-3-3	346 Pulkovo
0011	1 00E	+49 55	3	6.8 Ave	3-3-3	397
0	0 31E	+48 23	3	5.2 B3nc	4-4 4-4	394
0	0 50W	+26 07	3	7.74 Ko	3-3-3	AG 13170
0204	1 05W	+28 42	3	8.16 Kr	3-3-3	AG 13877
0	0 38W	+27 22	3	7.35 Gr	3-3-3	AG 14036
0	0 31E	+31 55	3	7.20 Gr	3-3-3	Bin.
0	0 33W	+29 25	3	7.44 K.	3-3-3	AG 702 Thought it pkg.
0	0 59W	+29 09	3	7.74 G.	3-3-3	AG 849
					10-7	
						4 Plk looked as if two with plates in ring.

Date Monday Aug. 25-26 Yo / Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
~~13691~~	HD 166 937	17h 55.6	+2° 56'	I-25'	E103a-O	.008	+28°.2			

Focus Fd 15.815
Ver Read. 23.25

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
		+2° 56′		3.80 Eyp	Clouded up

Tues. Aug. 26-27.

Th. here on my arrival.
Cloudy - clearing, 0100. Cloudy 0200
Clear 0300 - 0330. Overcast 0400, looks like
rain. W.

73

Date Thursday Aug. 27-25/97 H+No-Th Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
						S.L				
13631	H.D 180316	19 11.2	+27 46	25"	E-103aD	C68	+21.8°C	21 22		
13632	188121	19 48.5	+28 17	"	"	"	24.2	32 17		
13633							24.2			
							24.2			
13635							24.2			

Focus Set 15762

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
						good
						windy
						windy
						good
						good
						focus, O.K.

PH. LOG.

Limited
improved. Mirror pitty with 74" (adeq/ff)
4-5 " 5" Tilt
C " G+T.
(Fog Ponds + Pollution)

Date Sunday Aug 20 1922/23 No. 6 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13696	HD 196377	20 12 1	+12 08	1.32"	I	M	42	1 [illegible]	[illegible]	
13697	A.G. 7675	19 [illegible]	+26 18				+25·2	21 09	23 [illegible]	
13698	HD 209457	21 [illegible]	+29 12				+26·4	0 06	4 12	
13699	HD 213393 M.W.S. 287	23h02	+49°40				+25·1	4 20	[illegible]	
	FOCUS TEST						+25·2			

Focus set [illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Cont.	REMARKS
	0 2 0 W	+18 05	0-1	2.90 Bg	3-3-3	Sup. list
	0 2 5 W	+26 19	0-1	3-42 G	3-3-3	
	4 22 W	+31 25	0-2	3.99 G5	3-3W3	∴ A little haze + cloud
	4 07 W	+43° 54'	0-1	[illegible] Ave	3-5-3	N 397 Focus Test
						3 PLATE HOLDERS LOADED
						PLATE HOLDER #1 EMPTY
						IN SETTING ROOM.

Date Sat Aug 30-31 Ta-No Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13700	H02019	00 17 4	13 49	I-24	F10x10	.008	24.2	23.02	23 42	2
13701	218393	23 02 6	+49 40	"	"	"	24.2	23 50		
13702										
13703										
13704										

Clearing from 22.10 after showers
6 visitors!

Set focus .751

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
2142	2 23 E	+31 04	0+-1	6.78 Bg	3-3-3	Bin.
	1 ½ E	+49 54	1-2'	6.8 Ave	3-3-3	MWC 397
	3 ½ W	+24 02	0	276 Ko	3-3-3	A.E pair
	2 22 E	+32 14	0	6.86 A	3-3-3	Binary
	1 18 E	+24 13	0-1	622 A	3-3-3	

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	01 01	
13708	219418	23 10.8	+25 08	"	"	"	22.2	01 04	01 44	6
13709	5137	00 48.2	+28 58	"	"	"	22.1	01 47	02 15	3
13710	12402	01 56.5	+27 56	"	"	"	22.3	02 19	02 49	4
13711	13747	02 08.9	+28 14	"	"	"	22.2	02 52	03 16	1
13712	24560	03 49.3	+44 38	"	"	"	22.2	03 23	04 17	2
13713	36484	05 26.9	+32 44	"	"	"	22.3	04 23	04 41	3
13714	28497	04 24.5	-13 17	"	"	"	22.3	04 48	04 52	4

Sunday afternoon about 20 visitors incl. L party

Focus set 15.739

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	2 13W	+25 07	2	7.0 [illegible]	3-3-3	Sp. Star scattered 3s and 5's clouds
	26W	+30 15	1	7.43 G5	3-3-3	" Grey 3
0103	1 43W	[illegible]	1+2	[illegible]	3-3-3	"
0124	0 52W	+25 22	2+	7.44 K0	3-3-3	"
0215	0 14E	+29 10	2-3	7.23 G5	3-3-3	"
0244	0 49E	+28 07	2-3	7.29 K0	3-3-3	"
0316	0 34E	+25 28	2-3	7.07 G5	3-3-3	"
0417	1 14E	+44 47	2-3	7.8 B3ne	3-3-3	MWC 79
0441	2 27E	+32 45	2-3	6.56 A2	3-3-3	Bin
0532	1 12E	−13 10	?	5.5 B3ne	5-5-3	MWC 82
				Focus Test 10.7		
						m.c. s.c.
						2 p.m. −02 030 +03 177 +.70 +0.7

81

Date Sunday Sept 3/47 No. G Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13715	H.D. 16[illegible]	18 14 9	+11 50	1-25"	[illegible]	.01"	+22.9°C	10 20	[illegible]	
13716	A.G. ~~[illegible]~~ 10310	19 38.8	+27 51	"	"	"	-22.9°	2h 34	[illegible]	
13717	H.D. [illegible]	[illegible]	[illegible]	"	"	"	-22.5°	2h 27	[illegible]	
13718	H.D. 218[illegible]	[illegible]	[illegible]	"	"	"	-22.7°	[illegible]	[illegible]	
	FOCUS TEST						-22.5°			
13720	[illegible]	[illegible]	[illegible]				+22.0	[illegible]	[illegible]	

Form 15-730

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
		+11 50	1-2	T.T + Ao 8.40 Ao	3-3-3	Sup. list
					3-3-3	AG progs. wrong star!
					3-3-3	" "
					3-3-3	
					1-1-7	
					3-3-3	
						PLATE HOLDER AT LIMIT OF SPOTTING FROM OTHER ANGLES

Date Wed Sep. 3-4, 1947 Hd-W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
13720	MWC 278 HD 164284	17 55.3	+4 22	I-25	103a0	008	--	19 31	19 37	2
							+25.0	19 38	19 40	
13721	MWC 307 HD 174886	18 47.7	-10 21	"	"	"	25.1	19 55	21 09	3
13722	MWC 317 HD 183143	19 23.0	+18 05	"	"	"	25.0	21 13	22 23	4
13723	HD 201032	21 02.0	62 59	"	"	"	25.0	22 29	23 19	
13724	MWC 297 HD 218393	23 02.6	49 40	"	"	"	25.0	23 25	23 55	2
13725	MWC 376 HD 206773	21 39.3	57 17	"	"	"	25.1	23 59	00 41	3
13726	2619	00 19.4	30 17	"	"	"	25.5	00 48	01 40	
	IMPRACTICAL TO GO AFTER 2 AND. AS CLOUD FORMATION DRIFTING IN FROM WEST.									
13727	167	00 01.4	28 00	"	"	"	26.0	01 43	STAR CONE 02 09	
	Focus Test									

Checked plunger.

Focus set 15.766
Vernier reads 23.29 = (tab. − 1.3)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
			2	4.8 B5ne	5,5 cc1	Be Prog.
	W 0 15	+ 4 20	2		5,5 " 5 s	
	W 0 52	− 10 18	2→0	8.1 B3e	3,3,3	Be Prog. limiting hr ∠
	W 1 31	17 10	0-2	6.9 B9sen	3,3,3	Be prog. Some clouds + haze
	W 0 49	63 08	2	7.40 A5	3,3,3	Binary
	E 0 37	47 52	2-3	6.8 Ave	3,3,3	Be prog
	01 34 W	52 28	2	7.0 B2e	3,3,3	Be Prog.
	00 08 E	31 04	2	8.78 B9	5-4	Binary Hazy clouds in NW
	00 39 W	28 14	2	7.62 K0	3-6	AG 55 Clouds
		O. T. E.			10/7	
						3 Phs. Loaded in Frig.
						4 in Box

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

2 31 = 19734, Terminated 23.8

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Temp.	REMARKS
	2 8TW	+15°38	2	3.7 cf.	3-3-3	NG prog.
	2 12W	+63° 7'	2-3	7 40 N.	3-3-3	Binary
	2 17W	+3 10	2-3	4.	3-3-3	NG prog.
	2 19 W	+24 27	2-3	4 Gua	3-3-3	Be prog.
	2 21W	+16 38	2-3	4 Tau	3-3-3	BE prog.
	2 20E	+22 40	3	4 Ori	3-3-3	Binary
	2 3E	+7 23	3	3 Ori	3-3-3	

87

Date H D - 3 - W Sept 6 7/47 Sat. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13755	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
13760	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.1	[illegible]	00 25	
13757	MWC 897 H.D. Z 15393	23 02 6	+49 40	"	"	"	25.2	00 30	00 56	
13758	HD Zeta And.	00 19.4	30 49	"	"	"	25.2	01 02	01 21	
13759	~~[illegible]~~			"	"	.016	25.2	01 50	02 58	
13760	17674	02 10.1	29 32	"	"	.008	25.1	04 04	05 06	
		Focus Test								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2 06 W			7.4		TALUS RESET TO 15.750.
	0 36 W	49 58	3	6.8 AVE	3-3-3	BC PROG
	0 09 E	31 03	3	6.78 BG	3-3-3	BINARY
	3 11 W	48 20	3	EST. 9.4 3.3-11.4 Dap	3-3-3	⊕ BRASS EYEPIECE — Wrong Star
	1 03 W	30 02	3	7.64 G5	3-3-3	
		O.T.B.			10/7	

1 P H LOGGED

89

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Cam 3	REMARKS

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13750							+24.6	1 44	2 18	
13751							+24.7	2 27	3 21	
13752							+24.7	3 19	3 46	
Focus Test							+24.6			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	

Date Tuesday Sept 9-10, 1947 HA-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13753	MWC 307 HD 174396	18 47	-10 21	I-25	E103aO	008	24.2	19 29	20 47	3
13754	MWC 310 HD 177449	19 05	23 11	"	"	"	26.1	20 52	22 18	4
13755	HD 201032	21 02	62 59	"	"	"	26.1	22 24	23 30	1
13756	MWC 371 HD 204572	21 32	50 32	"	"	"	26.1	23 24	23 58	2
13756F			Frost Test							

Wed Sept 10-11 Light clouds and haze all night, clearing pm, completely clouded at times. L

Set focus 15.78

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	Limit W 0 52	−10 19	1	8.1 Bze	3,3,3	Be Prog.	Pretty hazy. very weak
	W 2 11	−3 14	1	6.9 Bze	3,3,3	" "	Weak. 2 weeks
	W 1 22	63 09	2	7.40 A5	3,33	Primary	Fuller? good
	W 0 59	64 02	2	5.8 Bm	3,3,3		Thin clouds 2300 Thick at 2300 2 weeks
		O.T.B.			10/7		focus OK.

Hazy most of remainder of night.
Light cirrus visible.

3 2 Hr Lamps

1 NEW BOX PLATES NEEDED

Sept 12 −2 12.7 +3 30.7 +2.2 +3.3

95

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Angle End

Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
		2			
					mc. sc. m.T.W. s.T.W.
					Sep. 12 -02 14.2 +03 26.1 +25.9 +0.3
		Thurs, Sept 11-12/47			Thin overcast, with occasional breaks. Wm

97

Date Monday night 12-13/47 E.T. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
15736	HD 20035	03 16	22 18	1-65	F-660	5-7 22	25 D	23 00	00 27	
15737	HD 20035	03 16	22 18	1-65	F-660	5-7 22	25 D	00 32	00 44	
15738	HD 20035	03 16	22 18	1-65	F-660	5-7 22	25 D	00 48	01 00	
		Sat.	Sept.							
		Saturday	1947 Sept.	13-14		N	No			

Mostly cloudy with showers; showed slides and demonstrated telescope.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS

99

Date [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13762	ND 10517	04 41 2	+31 42	3-21	Royal	COT	27.1	0[illegible]	0[illegible]	
13763	750	04 [illegible]	+31[illegible]	"	"	"	33.2	07 05	07 [illegible]	
13764	21[illegible]	75[illegible]	+49[illegible]	"	"	"	25.4	04[illegible]	04 [illegible]	
13765	1 11143	03 [illegible]	+62 12	"	"	"	21.5	04 31	04 [illegible]	
	[illegible]	[illegible]								

Cloudy most of night

Diffuse .736

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Cor-C	REMARKS
	0°4E	+31 55	1-2-3	720 Gx	3-3-3	Bri
	4 05 W	+20 10	2-1	5-16 KG	3-3-3	
	4 33 W	+41 13	1-2	6 Bl Agc	3-3-3	NNWC (4)
	4 25 W	+32 10	1-2-3	6 K 8, c	3-3-	NNWC (1)
						3
						3 NW L

I make good focus O.K.

Date Sunday Sept. 14-15 Yo/W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13766	HD 67 Cyg. 166363	17h 55m.6	+2° 56'	I-24"	Et 3a-0	.008	24°.0	19h 20m	19h 21m.2	
"	"	"	"	"	"	"	"	19h 24m	19h 26m.	
"	"	"	"	"	"	"	"	19h 30m	19h 36m.	
13767	HD FF Aql. 176744	18h 53m.8	+17° 14'	"	"	"	"	19h 45m	20h 15m.3	
13768	HD 5 Cyg. 188088	19h 45m.8	+29° 1'	"	"	"	"	20h 40m	21h 40m.4	
13769	HD 19 Cyg. 197572	20h 39m.5	+25° 14'	"	"	"	"	21h 46m	22h 26m.1	
13770	HD 207379	21h 43m.4	+29° 16'	"	"	"	"	22h 50m	0h 00m.2	
13771	HD. 2 And. 218188	23h 28m.9	+45° 16'	"	"	.016	24°.2	00 20	* gone	
13772	HD 18202	22h 50m.3	25° 45'	"	"	.008	24°.2	03 27	04 21	
13773	HD 23257	03h 35m.6	27° 37'	"	"	"	24°.2	04 29	05 17	

Focus Test

Focus Set 15.729
Var. Rad. 23.30

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
		+2° 55'	1	3.80 Bp	10	3 Exp on one plate fine
		"	"	"	5-5	fine
	0h 53m W	"	"	"	5-5	fine
	0h 35m W	+17° 17'	1-2	Var Fp	3-3-3	
	1h 12m W	+29° 6'	"	" Fp	3-3-3	nothing on these plates;
	1h 00m W	+35° 24'	2	" Gop	3-3-3	PLATES 5 DESTROYED
	1h 30m W	+29° 27'	"	851 Ko	3-3-3	AG 25
	3 04 W	+48 31	2	Est. 9-5 8.3 -11.0 Bp	3-3-3	good
	0 45 W	25 55	2-3	7.12 Ko	3-3-3	good
	0 54 W	27 45	2	7.44 Go	3-3-3	fine
		O. T. B.			10/7	focus O.K.

1 P.M. corrected

Exp 15 -2 15 9 +3 24 8 +3 43 +2 32

103

Date [illegible] 15-16 1947 Nov 1a Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13774	HD 201032	21 02.0	+62 59	I. 25	F103a O	008	+18.5	00 06	01 16*	3334
13775	2019	00 19.4	+30 49	"	"	"	18.5	01 20	02 30	3584
13776	218393	23 07.6	+49 40	"	"	"	18.5	02 04	02 54	3394
13777	1088	01 38.2	+31 43	"	"	"	18.4	02 58	04 14	3544
	Trans Tot									

Set Trans .665

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
01[illegible]	333W	+63 08	0-1	7.40 Ar	3-3-3	* Exposures .00 10 - .00 16 [illegible] good, more?
01[illegible]	058W	+31 02	1 (var)	6.78 Bg	3-3-3	
01[illegible]	309W	+49 53	1	6.8 Arc	3-3-3	fine, good MWC 397. Telescope in cradle [illegible]
0414	154W	+31 58	1+0	7.20 Gr	3-3-3	5 Cloud [illegible]
					10-7	9 Star zone 0414, western sky, [illegible] Close up fairly o.k.
						4 pks loaded; 1 plate [illegible]

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1379	B.D. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0' 24"	[illegible]	[illegible]
1380	B.D. [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1381	B.D. 193°99	1' 28"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2' 09"	3' 34"	[illegible]
	Focus Test									

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
						fair
						strong
						good
						Focus Test — focus O.K.
						3 Photographic Loads. One Empty in Spectrum Room.
						m.c. s.c. m.T.w. s.T.w. Sep. 17 −2 21.4 +3 30.7 +39.2 +0.7

Date [illegible] / N. - To. **Julian Day** [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Remarks
13781	N.D. [illegible]	17 58 3	+43 21	1.24"	I 103.0	1.24"	+21.1°C	19 06	20 32	
13782	[illegible]	[illegible]	[illegible]	"	"	"	21.2	20 57	21 29	
13783	[illegible]	[illegible]	[illegible]	"	"	"	21.2	21 36	22 [illegible]	
13784	[illegible]	[illegible]	[illegible]	"	"	"	21.2	21 54	[illegible]	
13785	[illegible]	[illegible]	[illegible]	"	"	"	21.1	22 18	[illegible]	
13786	[illegible]	[illegible]	[illegible]	"	"	"	21.0	[illegible]	[illegible]	
13787	[illegible]	21 92.9	+62 19	"	"	"	21.0	[illegible]	[illegible]	
13788	[illegible]	[illegible]	[illegible]	"	"	"	21.1	01 32	02 5[illegible]	
13789	[illegible]	2 026	[illegible]	"	"	"	21.1	[illegible]	[illegible]	
13790	[illegible]	02 08.1	+57 04	"	"	"	21.0	03 28	04 [illegible]	
13791	[illegible]	02 26.9	+32 44	"	"	"	21.0	05 02	05 36	
	[illegible]									

Focus set 15.70 f

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	1 5°W	+42 20	0	7.41 A_0	3-3-3	Binary
	1 1°W	+27 50	1	6.91 B	3-3-3	"
	1E	+27 03	1	5.8 A_{pe}	3-3-3	m.w.3381
	1 3°W	+28 28	1	7.46 A_0	3-3-3	Binary
	1 5°W	+42 20	0-1	7.40 A_0	3-3-3	"
	1 0°W	+41 12	1-2	7.2 F5	3-3-1	MWC 349
	3 4°W	+63 10	2	7.40 A_2	3-3-3	Bi
	1 3°W	+25 37	2-3	8.44 K_2	3-3-3	MWC 411
	3 0°W	+41 55'	3-2	6.8 Ave	3-3-3	MWC 397
	2 1°W	+44 18	2-3	6.6 Bpec	3-3-3	MWC 34 Tololo 1
	0 56	+31 41'	2-1	6.56 A_2	3-3-3	Be Star, with Cool Companion
					10-7	

	m.e.		s.e.		M.T.W.	S.T.W.
Sep. 19	-02	23.6	+3	26.5	$+43^s.8$	$+07^m$

Date Wednesday night 22-23 Jul Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13792	HD 178175	18h 07m	+13° 18'	I-25"	103a-O	.058	41°0	19h 33m	24h 31m	
13793	NGC 6633	18h 24m	+06° 41'					20h 22m	21h 42m	
13794	NGC 6633	18h 28m	+06° 41'			.116		22h 20m		
13793 F										

Sep. 22 12[h] MB −02 27.4 (Rem. wt. 0.5) SC +28.4 (Adv. 3 min) MTW −11°.2 (adv. 1 min) STW −0[m].1

110

From Feb 1956 plate, mad. 23-cm

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	23[h] W	+7° 17′	0	Van. Fg	3-3-3
	1[h] 45[m] W	+29° 7′	1	" Fg	3-3-3
			1	Fog Only	2- 22° 30′ Clouds to W + close up
					from Feb 1 Plate loaded

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Mid
13714	MD 15031	19 11	+27 N	I 24"	F 103 O	.027	41.5 F	13 44		
13715	NGC 6720			Draw Tube	F 103 O	—		19 35	19 56 3	
13716	NGC 6205			"	"	"	1			
13717	MD 17+21	19 11	+27 31	I-24"	F 103 O	.027	41.5	23 16	23 46	
13718	2+17 44	23 18	+43 54				41.5	23 [illegible]	[illegible] 20	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date Tuesday Sept 23 04 (47 N.L. G.S.T.) Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13799	HD 10856	01 41 5	21 40	T-21	E 103a-O	5 cm .008	+10 8	01 21	01 37	
13800	" 31696	05 36 1	22 32	"	"	"	+10 8	03 37	04 53	
13801	" 36484	05 50	32 44	"	"	"	+10 8	04 57	05 12	
	Venus Spl				D.T.E.					

7

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	1 40 W	25 55	2	5.81 Mp	3-3-3 AS. 25
	0 45 W	27 39	2	5.01 Gs	3-3-3 "
	0 20 E	32 47	2	5.56 Ap	3-3-3 Cluster
					10 17

	EST	MC	SC	MTW	STW
Sep. 24	12	-2 28 9	+29.3	-06.0	-0.1

Date Wed. Sept 24-25, 1947 Hd-W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
802	NWC 397									
13782	HD 218315	22 02.6	49 40	I-25	E103a O	008	+13.2	22 36	23 36	1
803	NWC 395									
13783	HD 217543	22 56.3	38 10	"	"	"	13.1	23 39	00 23	2
	Z And. Slung not put enough to get this star									
804										
13784	HD 210022	21 02.0	62 59	I-25	E103a O	008	13.2	00 35	01 21	
805										
13785	HD 8747	01 21.2	22 43	"	"	"	13.2	01 31	02 17	
806										
13786	HD 22403	03 21.2	23 10	"	"	"	13.1	02 27	03 14	
	Focus Test									

Clouds earlier. Clearing from 2130 with very bright aurora.

Focus at 15.575 Temp. 23.4°
(=Tot −.11)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
23 32	W 0 26	49 55	0	6.8 Ave 3,3,3	Beprog.
0 11	1 22 W	38 24	0	64 Bsne 3,3,3	" "
	LIMIT				
0 17	4 13 W	69 10	0	7.4c AS 3-3-3	To Binary Through Aurora EJ Difficult To Guide
0 41	1 56 W	26 06	0	7.65 Ko 3-3-3	" "
0 [illegible]	1 41 W	25 47	0	7.92 Go 3-3-3	" "
		O.T.B.		10/7	

3 PHs ADDED - IN DOME

4 P in S - " "

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
807										
808										
809										
810										
812							10·8			
813	HD 15256			-	-	-	10·7	0h 04	0h 10	
814				-	-	-	10·7	0h 12	0h 35	
		Focus Test								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
12 44	2 44 W	29 17	0		3-3-3	AG 85
12 45	1 45 W	29 28	0	7.55 Go	3-3-3	AG 85
12 56	0 05 E	29 09	0	7.56 Ko	3-3-3	AG85 [illegible]
		D T B				

3 P.M. [illegible] - LW Corner

[illegible] " "

	MC	SC	MTW	STW
Sep. 26	-2 30.0	+29.6	-23.5.0	-0.4

Plate Serial No. ff Sept. 23-24 (13799 onward) ? Y.

119

Date Friday Sept. 26-27 Y/L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13795	HD. 186688 SU Cyg	19h 40.8m	+29° 1'	I-25"	103a-0	.008	+10.2	19h 10m	20h 10m, 2	
13816 ~~13796~~	H.D. 17382	02 42.2	26 40	I-25	103a-0	Set .008	+8.3	02 48	04 5[illegible]	[illegible]
13817	" 36439	05 [illegible]	32 44	"	"	"	+8.3	04 57	05 21	06E
	Focus Test					O. T. 13				

Focus set 15.555
Ver. read 23.50

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
20h 10m	0h 30m W	+29° 8'	0	Var. F2p	3-3-?	Clouds came over 20h 10m
					Focus test	Clear up 22h 15m
						2 P.H. Loaded - in Room
						8 P in Box " "
						Sky doubtful at midnight, better later.
						Focus reset 15533
04 5	2 08W	26 52	0	8.33 K0	3-3-3	AG 25
05 2	3 06E	32 46	0-1	6.56 A2	3-3-3	Fixing
					10/7	

121

Date Saturday Sept 27 28/47 H.A. N. W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13818	H.D. 198478	20 45	+45 45	1·25"	F 10°·0	S.L. ·008"	+11·0°C	21 30	21 45	
13819	201032	21 02.0	+62 59	"	"	"	11·0	21 50	22 00	
13820	218897	22 02.6	+49 40	"	"	"	10·8	22 08	22 15	
13841	201032	21 02.0	+62 59	"	"	"	11·1	22 53	01 11	
13842	7426	01 09.3	25 54	"	"	"	11·0	01 18	03 44	
13843	25 [illegible]	02.1	21 02	"	"	"	11·9	03 47	05 50	
		[illegible]	[illegible]							

approx 150 — Tau;
Leo — 1-13, A Sgr - G.

Focus set 18.5[illegible]
Vernier 23.52

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp	REMARKS
	1 [illegible] W	+45 56	0-1	B Sgr 4.7	3-3-3	M.W.C. 353
	[illegible] 03 11	+63 11	0-1	7.40	As 3-3-3	Binary
	0 50 W	+4 [illegible] 53	0-1	6 8	Hve 3-3-3	M.W.C. 397
	1 [illegible] W	5 10	0-1	7.40	Ag 3-3-3	Binary
	2 [illegible] W	26 0[illegible]	[illegible]	[illegible]	Hc 3-3-3	[illegible] A.G. 22
	[illegible] 40 W	2[illegible] 02	[illegible]	[illegible]	[illegible] 3-3-3	A.G. 22
		0.7 B.				10/1

1 P.M. Leave

Bar Pressure = [illegible]

	MC	sC	MTW	sTW
Sep. 29	-2 30.8	+29.8	-16.0	-0.3

Date Sept 29-30, 1947 H.W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13824	MWC 292 HD 168957	18 17.3	25 01	I-25	E103a0	008	+11.6	21 33	21 33	3
13825	MWC 347 HD 195592	20 27.2	43 59	"	"	"	+4.8	21 37	23 07	4
13826	MWC 297 HD 218393	23 02.6	49 40	"	"	"	1.8	23 17	01 11	1
		Spectrum Test								
13827	HD 25266	03 30.0	47 16	"	"	"	10.5	08 22	08 34	4

Set Focus 15.573

Vernier 23.52 (+ Tab −.10)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	4 3 27	25 00	0	6.9 B5e	3,3,3	Be prog.
23 0	4 2 52	44 06	0	7.2 B1Se	3,3,3	" " star seems yellow, clouds for ½ hr.
	2 2 18	49 54	0	6.8 A1e	3,3,3	" " check for last Neb
		O.T.B.			10/1	contact 2h 43m 25s
	2 16 47	2 25	0	8.9 K0	3-3-3	Be [illegible] 1,2 kj

B. P. H. WARD

W. E. WARD

125

Date ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13859	HD 193518	20 15½	36 21	I-25	Eastman 103a-O	.06	+7.2	19 00	21 [illegible]	
13860	" 208700	21 32.0	23 05	"	"	"	+7.1	21 23	23 35	
13860	AG 37	00 06.2	23 37	"	"	"	+7.0	23 39	0 [illegible]	
	[illegible]	[illegible]	[illegible]							
13862		[illegible]	[illegible]							

Recorded at 15.515 mc

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	comp	REMARKS
	1 51 W	33 27	0	3.26 Gr	3-3-3	16.25
	2 19 W	33 16	0	3.21 Go	3-3-3	" "
	2 51 W	33 08	0-1	3.33 Gr	3-3-3	" "
				5.49 Ke		slight drift at start of run, continuous clouds
		E T B.			1/1	throughout

	MC	SC	MTW	STW
Oct. 1	-2 32.5	+30.4	-11.3	+0.7

Date Thurs Oct 2 1902 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
12 831	MWC 395 HD 217 543	23h 00m	+58° 2'	2 prism	Cramer Isochrom	90°	-14.0	6h 14		
12 832	HD 218 393	23h 02m	+57° 1'	"	"	"	-14.0	6h 40	8h 01	
12 833	HD 214 168	22h 36m	+59° 24'	"	"	"	-14.0	6h 09	6h 41	
12 834	HD 11721	01h 48m	62° 37'	"	"	"	14.1	6h 32	6h 49	
12 835	HD 21291	03h 28m	55° 27'	"	"	"	14.0	6h 52	6h 58	
12 836	HD 21211	03h 18m	55° 01'	"	"	"	13.1	6h 01	6h 17	
		Zero	Plate							

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	C° C	+38°2-1	3	3-1 B1--3-3-3	
			3	3-8 Ave 3-3-3	
			3	B20 Ave 3-1-3	
			3	Ave G 3-1-3 AG 85	
			3	Low 9.5 3-3-3 AG 85	
			3	Low K 3-3-3 AG 85	
		E.S.T.			

8 P.M. Kenton

Box Austin Needed

	MC	SC	SW	MTW	STW
Oct. 3	−2m 32.2s	+31.1s	+12.5s	−27.2s	−0.1m

Date Fri. Oct 3-4, 1913 Wm. W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13827	WD 1856+13	19h23m	+18°5	I 40	[illegible]	[illegible]	-15°	18h47m	[illegible]	

Focus ref 15.606

Vernier read 23-93 (Tok-Dak)

Clouds around horizon

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	2 3 3	+15 10'	0	8 8 7 9 8	3-3-3 Be Prog
					*Ended line 11 [illegible]
					Clear around 23h-40 becoming cloudy. Cloudy remainder of night. W.

Date Saturday Oct 4-5 1907 U.T. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13735	HD 33; AZ 21 02		+62							

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

133

Date Sun Oct 5-6, 1947 Hd-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13839	Mine 217 HD 183143	19 23.0	18 25	75	Ex F+0	.008	9.2	19 29	20 19	1
~~13840~~ 13839	HD 197207	20 31.2	29 49	"	"	"	19.3	~~20 33~~ 20 33	22 03	3
13840	Mine 217 HD 211391/2	22 09.6	49 [illegible]	"	"	"	19.1	22 05	22 42	4
13841	HD 215274	22 38.1	29 34	"	"	"	9.1	22 47	23 33	1
	Mira HD [illegible]	[illegible]	[illegible]							

Clearing after moonset
Forecast 4 to 8 tenths Ci.

Focus 15.679
Vern 23.38 (= Tab − .13)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	W 1 31	18 12	2	6.9 B+and 3,3,3	Be first	found no plate in No. 1 ! Then checked & found none in No. 2
	W 2 02	30 00	2	8.12 G5 3,3,3	Vel. only	
	W 15	47 54	2	6.5 A2 3,3,3	Be first	
	3 3 W	27 45	2	5.4? G5 3,3,3	Vel first	
				A 5 Ind.		

Date Aug. Oct 6 1947 L-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13845	H.D. [illegible]	[illegible]	[illegible]	I-25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
13846	" [illegible]	[illegible]	[illegible]	"	"	"	21.0	[illegible]	[illegible]	
13847	" [illegible]	[illegible]	[illegible]	"	"	"	21.0	[illegible]	[illegible]	
13848	" [illegible]	[illegible]	[illegible]	"	"	"	21.0	[illegible]	[illegible]	
13849	" [illegible]	[illegible]	[illegible]	"	"	"	21.1	[illegible]	[illegible]	
13850	" [illegible]	[illegible]	[illegible]	"	"	"	21.1	[illegible]	[illegible]	

Sequoia Area N. 223

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
	1 DOW	31 18	1-2	8.37 No	3-3-3	AG. 25
	1 NW	23 46	1-2	8.37 No	3-3-3	" "
	1 BN	24 37	1-2	8.37 No	3-3-3	" "
	1 SW	21 12	2	8.37 G	3-3-3	
	1 NW	20 06	2	8.01 G	3-3-3	
	1 N	20 32	2	7.65 No	3-3-2	PASSING CLOUDS.
		O.T.B.			10/3	
						Lost Lights
						Power failure

Date Tuesday, Oct. 7-8, Y. / L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13851	HD 190073	$19^h 58^m.1$	$+5^\circ 28'$	I-23"	E103aD	.008	$+73^\circ.0$	$18^h 40^m$	$19^h 40^m$ 1	
13852	CG Cyg	$20^h 54^m.2$	$+34^\circ 47'$	"	"	.016	"	$19^h 45^m$	$22^h 15^m$ 2	
13853 2-F	Z And. HD 221650	$23^h 28^m.9$	$+48^\circ 16'$	"	"	"	"	$22^h 22^m$	3	
13854/3	HD. 29946	04 31.3	25 32	"	"	"	+21.0	03 19	04 2	4

Focus set 15.733
Ver. read 23.30

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
19h [illegible]	3h 25m W	+5° 34'	1-2	7.9 Aop	3-3-3	Slight clouds for 15 min. then clear
22 15	2h 5m W	+34° 56'	2	(10.2)	2-2-2	
		+48° 32'		(9.5) Oop	2-2-	33h 35m intermittent clouds
						Clouds up. Focus Test
						Sky looking at 130 seeming best the 8 yards clear at 245.
						Focus set 15.703
48 N	25 37	2	8.46 Kc	3-3-3		MC 25 Clouds on at 1.30 at 1.50

	MC	SC	NTW	STW
Oct. 8	-2 34 6	+32·1	-1 4 0	+0 7

Date Wed Oct 5-6, 1937 Wm. W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13854	HD 160781	17h 37m	+25° 39'	3-35	I-O-C	6mm	+17.8			
13855	HD 160781	17h 37m	+25° 39'	"	"	"	+17.9			
13856	HD 160781	17h 37m	+25° 39'	"	"	"	+17.5			
13857	HD 160781	17h 37m	+25° 39'	"	"	"	+17.2	21h 57m		
13858	HD 160781	17h 37m	+25° 39'	"	"	"	17.9	22h 35m		
13859	12 Oph	17h 10m	-24° 56'	"	"	"	17.8	0h 09m	0h 27m	
13860	12 Oph	17h 10m	-24° 56'	"	"	"	17.8	0h 30m	0h 47m	
13861	12 Oph	17h 10m	-24° 56'	"	"	"	17.7	1h 13m	1h 29m	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

1 P.H. LOADED

1 SEN P. WELDED IN BOOK

Date Thurs. Oct 9-10, 1947 Wm-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13862	HD 159889	17h24m3	+19°11'	I-25	Linen C	2"	+13.0	12 52	13 20	
13863	HD 130560 TAC 307	14h8m0	+25°32'	"	"	"	+14.0	21 04	21 24	
13864	HD 210393 TAC 308	22h16m6	+41°41'	"	"	"	+13.5	21.02	21 22	
13865	HD 223571 TAC 309	23h45m0	+61°34'	"	"	"	+14.5	00 40	00 59	
13866	HD T32	01 08 6	64 11	"	"	"	+14.4	00 51	01 14	
13867	" 29240	04 31 3	24 32	"	"	"	+14.4	02 50	03 [illegible]	
13868	" 30439	04 [illegible]	32 14	"	"	"	+14.4	05 05	05 [illegible]	
	Kron Test				O F 12					

Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
1h 25	+38° 20'	1·0	7·12 AG	3-2-3	AG 25	fine
1h 11	+35° 52'	0·1	7·65 KS	3-3-3	AG 25	good
0h 13	+42° 8'	2	5 8 Ave	3-2-3	Bo Proj	2.15
1 30 W	+46 54'	2	8½ B3a	3-2-3	Bo Proj	very strong
1 17 W	31 46	2·1	8·51 F5	3-2-3	AG 25	fine
1 05 W	21 17		8·55 K2	3-2-3	"	good
0 59 W	32 14	1	6 56 A2	3-3-3	Bo Proj	very strong
				10/4		

Date Fri Sat Oct 10–11, 1947 Hd-W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Ang End
13869	MWC 317 HD 182143	19 23.0	18 05	25	E103aO	008	+15.5	19 34	20 54 3	
13870	HD 2019	00 19.4	30 49	"	"	"	15.6	21 00	21 40 4	
13871	MWC 397 HD 218393	23 02.6	49 40	"	"	"	15.6	21 46	22 26 1	
13872	HD 218453	23 [illegible].6	25 29	"	"	"	15.6	22 30	[illegible] 2	
[illegible]	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	MWC 627 HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
								[illegible]	[illegible]	
								[illegible]	[illegible]	
[illegible]	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
		[illegible]								

Waited for big bank of Ci to clear out of zenith further delayed by misunderstanding watch by β Cyg.

Now Corr. to Sid. Watch = − 3m.3

Tonight 15.623

Vern. 23.43 (= Tab − .14)

144

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
W 2 26	18 10	0	6.9 B sec α	3,3,3	Be prog.
W 2 16	31 03	1	6.78 B9	3,3,3	Bin.
W 20	49 53	1	6.5 A Ve	3,3,3	Be prog.
[illegible]	25 42	1-2	5.18 Ko	3,3,3	Vel. prog.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]		[illegible]	10	[illegible]
				10	[illegible]
				5-5	[illegible]
[illegible]	[illegible]	1-2	[illegible]	3-3-3	[illegible]
[illegible]	[illegible]		[illegible]	3-3-3	Bin.
	OTB			10/7	

[illegible] water slightly hazy

[illegible] R.H. [illegible]

[illegible] Data needed

Date Sun Feb 11-12/47 H-No — W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
	183849	19 26.4	+18 02			Sl				
13878	~~H.D. 183143~~	~~19 23.0~~	~~+18 05~~	1-25"	F 103a-O	.008	+16.7°C	18 25	19 [illegible]	
13879	H.D. 219393	23 02.6	+63 [illegible]	1-25"	E 103a-O	.008	+16.7	22 11	22 [illegible]	
13880	12,52	02 [illegible]	+60 [illegible]	"	"	"	+16.7	23 10	23 -0	
13881	4006	00 37.5	+29 39	"	"	"	+16.7	23 56	01 50	
13882	17086	03 [illegible]	60 13	"	"	"	16.7	01 05	02 20	
13883	2019	02 [illegible]	20 47	"	"	"	16.8	02 50	03 31	
13884	2;473	04 [illegible]	12 31	"	"	"	16.8	03 31	04 06	
13886	29104	04 [illegible]	15 41	"	"	"	16.7	04 09	04 39	
13885	15136	02 [illegible]	30 07	"	"	"	16.8	04 44	05 12	
13887	2-484	05 [illegible]	22 44	"	"	"	16.8	05 16	05 46	

Moon Set

Focus Set: 19·C 41

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS
				8.4 Ko		Wrong Star
	1 22 N	+15 08	0-1	6.1 B, Sev	3-3-3	mw.c.317 Seeing Variable
						Wrong star with [illegible]
	c 5-8 N	[illegible]	0-1	6.8 Ave	3-3-3	M.W.C.317
	1 36 E	[illegible]	1-2-3	6.81 Fz	3-3 3	Double line Binary
	[illegible]	[illegible]	[illegible]	8.02 Ky	3-3-3	A.3412
	[illegible]	[illegible]	[illegible]	7.26 K5	3-3-3	Binary 3 m. could not separate in Pola
	4 11 W	31 04	1	6.28 Bq	1-2-3	Binary Head
	[illegible] 50 W	[illegible]	2-3	6.24 Fq	2-3-3	Binary Double line
	[illegible] 09 W	18 46	3	7.04 F5	3-3-3	Binary Double line
	[illegible] 00 E	50 21	3	F.1 F2	2-3-2	Binary Double line
	1 1 W	[illegible]	2	6.56 A2	3-3-3	Binary Norris
		O.T.E.			10	Setg
						3 P.H. LOADED
						1 Box Plates Needed in Dome
						Water-Wagon C&C

Date Sunday, Oct. 12-13, Y-1 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13888	CG Cyg.	$20^h 54^m.4$	$+34° 47'$	I-25"	E103a-0	.016	+18.0	$18^h 40^m$	$22^h 10^m$, 2	
13889	2 And. HD 221650	$23^h 28^m.9$	$+48° 16'$	"	"	"	"	$22^h 18^m$	" , 3	

Focus Set 15.660
V.R. 23.40

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
12h 0m	2h 20m W	+34° 57′	1-2	(10.2)	2-2-2
		+48° 30′	2-3	(9.5) Obj	2-2-2

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13833	HD 60745	7 22 06	-29 54	T-26	A 1340	5 mil CCC	17	09 46		
13834	"	[illegible]	[illegible]	"	"	"	17 C	10 00		
13835	"	[illegible]	[illegible]	"	"	"	17 C	[illegible]	[illegible]	
13836	"	[illegible]	[illegible]	"	"	"	17 C	10 04	[illegible]	
13837	"	[illegible]	[illegible]	"	"	"	17 C	[illegible]	[illegible]	
13838	"	[illegible]	[illegible]	"	"	"	17 C	[illegible]	[illegible]	
		[illegible]								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						Dark Adapted because can't focus on Dark Adapted Level.
	32 W	23 36	0-1	3.55 G5	3-3-3	AG 25
	17 W	1 01	1	7.6 M0	3-3-3	Blue
	3 17 W	2 30	1	8.1 G0	3-3-3	AG 24
	0 1 W	31 04	1 0	6.75 B9	3-3-3	BINARY NEAR
	26 W	30 6	1-0	7.06 F8	3-3-3	BINARY DOUBLE LINE
	3 W	31 [illegible]	0-1	6.5e A2	3-3-3 10½	
		6 27 5				
						3 PH LNGED
						1 POR PLATES NEEDED
						WITH WRONG COLOR

Date Tuesday, Oct 14-15, 1947 ~~Hd.~~ Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13899	MWC 312 HD180398	19 11.3	12 56	I-25	E103a0	008	+18.0	18 26	20 06 3	
13900	HD 196866	20 35.0	25 43	"	"	"	18.1	20 10	21 40 4	
13901	MWC 376 HD 206773	21 39.3	57 17	"	"	"	18.0	21 44	22 34 1	
13902	MWC 397 HD 218393	23 02.6	49 40	"	"	"	18.0	22 38	23 14 2	
13903	HD 1605	00 15.2	30 25	"	"	"	18.1	23 18	00 40 3	
13904	MIRA C HD [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.1	[illegible]	[illegible]	
								[illegible]	[illegible]	
								[illegible]	[illegible]	
13905	15138	[illegible]	+50 07	"	"	"	18.1	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
13907	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.1	02 57	03 21	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
13909	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.1	04 11	04 39	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Focus 15.660
Vernier reads 23.40
(= Tab − 0.13)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	W 2 05	+12 59	1	7.7 B(3)pec	3,3,3	Beginning
	W 2 16	25 53	1	7.65 K5	3,3,3	Vel "
	W 2 07	57 29	1	7.0 Bone	3,3,3	Be "
	W 1 23	49 52	1	6.8 Ave	3,3,3	" "
	1 ½ W	30 40	2	8.05 Go	3,3,3	
		+13 11				
	0 5 W		3		10	
	3 ½ W	+30 11	2	6.61 F2	3-3-3	
	5 W	60 11	2	7.36 A5	3-3-3	THIS IS THE 1ST PLATE (+ REJECTED)
	7 W	13 12	2	6.56 F2	3-3-3	
	9 W	14 11	3	7.06 F5	3-3-3	
	11 ½ W	32 N5	2-3	6.72 A2	3-3-3	
	14 W	30 10	2-3	6.61 F2	3-3-3	
				6.48 F1		
		E.T.B.				Z P H LOADED

Date Wednesday, Oct. 15-16, Yu-Wi Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13911	HD190073	$19^h 58^m.1$	$+5^\circ 28'$	I-25"	E103a-D	.008	$+19^D.5$	$18^h 20^m$	$19^h 50^m, 4$
13912	HD221650 (2 And.)	$23^h 28^m.9$	$+48^\circ 16'$	"	"	.016	$+19^\circ.8$	$20^h 05^m$	$0^h 05^m, 1$
13913	[illegible]	[illegible]	[illegible]	"	"	.008	20.1	00 10	[illegible]
13914	[illegible]	[illegible]	[illegible]	"	"	"	20.0	[illegible]	[illegible]
13915	[illegible]	[illegible]	[illegible]	"	"	"	19.9	[illegible]	[illegible]
13916	[illegible]	[illegible]	[illegible]	"	"	"	20.1	[illegible]	[illegible]
13917	[illegible]	[illegible]	[illegible]	"	"	"	20.0	[illegible]	[illegible]
13918	[illegible]	[illegible]	[illegible]	"	"	"	20.0	04 40	[illegible]
13919	[illegible]	[illegible]	[illegible]	"	"	"	20.1	[illegible]	[illegible]
13920	[illegible]	[illegible]	[illegible]	"	"	"	19.9	[illegible]	[illegible]
		Trees Obst							

Oct. 15 | MC −00.5 | SC +30.8 | MTW −13.0 | STW +0.2

From Set 15.680
V.R. 23.40

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
19h 50m 4	1h 10m W	+5° 34'	1-2	7.9 Aop	3-3-3
0h 05m	1h 50m W	+48° 32'	2-3	(9.5) Oop	2-2-2
	0 36 E	50 10	3	6.61 F2	3-3-3
	2 06 E	13 43	3	6.56 F4	3-3-3
	1 20 E	19 46	3	7.06 F3	3-3-3
	2 14 W	24 37	3	8.13 G5	3-3-3
	0 21 W	32 15	3	6.56 A2	3-3-3
	3 05 W	50 20	3	6.61 F2	3-3-3
	2 24 W	13 42	3	6.56 F4	3-3-3
	1 41 W	19 46	3	7.06 F3	3-3-3
		G.T. U			

4 PH. LOADED
BOX PLATES NEEDED

155

Date Tues, Oct 16-17, 1947 W.D. - 1 **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13021	HD 187402	19h 45m	+27° 23'	1-30	Eastman	2.5 mm	+21 C	18 10	19 04	
13022	HD 195 190	20h 24m	+27° 56'	"	"	"	+21.6	1910	19 10	
13023	HD 214 665	22h 37m	+27° 02'	"	"	"	+21 C	21 17	01 27	
13024	" 16139	02 42	30 07	"	"	"	22.3	00 16	00 37	
13025	17483	04 15	17 58	"	"	"	22 3	00 43	01 [illegible]	
13026	" 19104	04 54	19 41	"	"	"	22.4	01 15	01 [illegible]	
13027	" 20166	04 05	28 29	"	"	"	22 4	01 27	01 [illegible]	
13028	" 20460	05 13	27 17	"	"	"	22 4	01 05	01 [illegible]	
13029	" 36484	05 09	35 44	"	"	"	22 4	01 42	01 [illegible]	
	Blank				QTB					

Set circle 15°7'.1
Vern read 65.3 (Tot -4)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0h07	+51°11'	2	7.28 G0	3-3-3	AG85
	0h01	+51°20'	2	8.38 K0	3-3-3	AG85
	23h41	+50°41'	E	6.19 K0	3-3-3	AG85
	23h E	50 20	E	6.61 F2	3-3-3	Double Star Group
	1h E	19 45	E1	6.56 F8	3-3-3	" "
	1h35 E	19 45	NE	7.06 F8	3-3-3	" "
	1h10 W	50 10	2	8.70 G0	3-3-3	AG 85
	0h35 W	27 [illegible]	2	8.[illegible]	3-3-3	"
	1h15 W	34 45	E	6.36 A0	3-3-3	Cluster
					3/7	

	MC	S.C.	MTW	STW
Oct. 17	-01.1	+29.4	-09.8s	+0.2m

157

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date Sun Oct 19-20, 1947 Hel-W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13933	MWC 308 HD175863	18 52.3	59 53	25"	E103a-O	008	+20.7	18 15	19 03 3	
13934	MWC 350 HD196712	20 34.0	-2 46	"	"	"	20.6	19 08	19 38 4	
13935	MWC 320	19 41.3	+5 44	"	"	012	20.4	19 42	21 56 1	
13936	MWC 377 HD219393	23 02.6	49 40	"	"	008	20.5	22 02	22 44 2	
13937	MWC 409 HD225095	23 58.3	55 00	"	"	"	20.4	22 47	23 59 3	
13938	Mira HD14386	02 14.3	-3 26	"	"	"		00 06	00 08 4	
								00 10	00 14	
							20.3	00 17	00 29	
13939	15138	02 21.2	50 20	"	"	"	20.2	00 20	01 16	
13940	274 83	04 18.2	13 08	"	"	"	20.3	01 20	02 11	
13941	29104	04 29.8	19 41	"	"	"	20.2	02 14	03 20	
13942	36184	05 25.9	31 44	"	"	"	20.1	03 25	04 14	
13943	40280	05 32.7	25 42	"	"	"	20.0	04 23	05 27	
13944	53630	07 44.8	46 12	"	"	"	20.0	05 45	06 26	
		Moon Set								

Tower set 15,688
Vern reads 23.38 (= Tab - 42)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
19 33	W 1 42	59 56	1	6.9	B4e 3,3,3	Be prog
19 38	W 0 35	-2 36	0	6.3	B9e 3,3,3	"
2 10	W 3 45	+5 51	0	8.5	B5nec 3,3,2	" Guiding difficult
22 42	W 1 12	49 55	1	6.8	A0e 3,3,3	"
23 51	W 1 32	55 15	2	7.6	B1e 3,3,3	"
			1	(4.5)	M_D 10	set 1
					10 " 5	Obs Report
11	E 0 14	-3 15			10 " 9	fluffier in 8mm out 4 min.
	C 28 W	+50 25	1	6.61	F2 3-3-3	Double line Binary
	0 33 E	12 44	0-1	6.66	F4 3-3-3	"
	0 22 N	19 47	0-1	7.06	F3 3-3-3	
	0 24 W	32 46	0-	6.56	A2 3-3-3	Binary Nordic
	1 16 N	25 46	0	7.55	K0 3-3-3	AG. DS
	0 03 E	46 01	0-1	6.67	A5 3-3-3	Binary
		(FL)			"9/7	
						3 PHOTOG. PLATES NEEDED

Date Monday Oct 20-21/47 L.W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End.
13945	HD. 191010	20 02.6	35 04	I 25	I 103.0	.055	19.6	18 20	20 40	3
13946	" 215976	22 43.8	28 12	"	"	"	19.5	20 45	21 [illegible]	1
13947	" 1145	01 47.5	28 19	"	"	"	19.5	23 10	00 [illegible]	[illegible]
13948	" 13122	02 21.2	50 07	"	"	"	19.6	01 34	02 54	3
13949	" 27483	04 15.2	13 38	"	"	"	19.7	01 02	01 22	1
13950	" 29 1044	04 20.8	19 41	"	"	"	19.6	01 50	02 41	2
13951	" 26710	04 08.4	26 22	"	"	"	19.8	02 42	04 22	3
13952	" 36484	06 25.9	32 44	"	"	"	19.7	04 24	05 [illegible]	[illegible]
13953	" 47395	08 [illegible]	28 51	"	"	"	19.6	05 41	06 32	1
13954	" 63630	09 [illegible]	41 13	"	"	"	19.6	06 37	06 05	[illegible]

Focus Test

Oct. 20

HTW +04.6 STW +0.4

Focus set Pmc. 15.678

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	E 1E W	25 31	1	864 K0	3-3-3	A.G. 25° Stars and images sharp
	1 1E W	28 26	1	8.5+ G0	3-3-3	" " "
	01S W	28 33	1	[illegible]	3-3-3	
	007 W	30 20	2-3	6.61 F2	3-3-3	DOUBLE LINE SHARP, WIND [illegible]
	111 E	18 N4	1-2	6 56 F1	3-3-3	MORE [illegible] AND [illegible] THE LIGHT IN APPEARS TO [illegible]
	014 E	19 N5	1-2	7 06 F5	3-3-3	
	153 W	26 07	2	7.93 G5	3-3-3	
	116 W	22 N6	1-2	6.36 A1	3-3-3	
	036 W	23 17	[illegible]	3.60 B9	3-3-3	
	006 E	16 04	0-	6.67 A5	3-3-3	
		0 T 2'			0/7	

P.H. LOREDO

PLATES NEEDED

I.P. WRAPPED SEPARATELY IN BAG "UNEXPOSED"

Date Thursday Oct 31-Nov 1, 1917 W.S.-L. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13055	HD 187 614	19h 49m 6	+26° 50'	I 15	I 93	2mm T 2mm S	+20.0	18 [illegible]	19 [illegible]	[illegible]
13056	HD 175 132	18h 48m 3	+41° 10'	"	"	"	+20.0	10 14	[illegible]	2 [illegible]
13057	HD 225 605	23h 58m 3	+55° 00'	"	"	"	+20.5	22 36	23 [illegible]	[illegible]
13058	HD 10 015	01h 33m 6	+27° 15'	"	"	"	20.5	23 46	[illegible]	[illegible]
13059	" 15 138	02 21.2	20 07	"	"	"	20.4	01 04	[illegible]	[illegible]
13060	" 27483	04 15.2	13 38	"	"	"	20.5	01 31	[illegible]	[illegible]
13061	" 29164	04 23.8	19 41	"	"	"	20.5	01 [illegible]	[illegible]	[illegible]
13062	" 30 461	04 54.9	32 44	"	"	"	21.9	01 [illegible]	[illegible]	[illegible]
13063	" 33949	05 36.4	27 18	"	"	"	20.5	02 10	[illegible]	[illegible]
	Total Nos.				12 Tot.					

Trans set 15 Sept
Inserted 23 56 (T+1 -13)

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1ᴴ25	+15°57'	1	7·11 G5	3-3-3	AG 25
	2ᴴ55	+11°20'	1	6·12 B9	3-3-3	9A=33
	1ᴴ23	+12°16'	2	7·6 G1e	3-3-3	Ba prog
	1 05 W	21 27	2·1	8·29 K0	3-3-3	AG 25
	0 14	30 19	3 1	6 61 F2	3-3-3	Cattle Cave Variable
	3 34 E	13 +3	1	6 36 F4	3-3-3	" " "
	3 43 E	10 +6	1	7.06 F2	3-3-3	" " "
	4 48 E	28 +5	1	6 56 A2	3-3-3	Cave
	2ᴴ W	27 18	1	8 61 G5	3-3-3	AG. 25
					10/4	

165

Date Wed Oct 22-23, Yu- W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13964	HD 190075	$19^h 58.1^m$	$+5° 28'$	I-25"	E103a-0	.008	$+19.5°$	$18^h 18^m$	$20^h 18^m$,2
13965	HD 22650 2 And	$23^h 28.9^m$	$+48° 16'$	"	"	.020	"	$21^h 20^m$	$0^h 20^m$,3
13966	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19°	[illegible]	[illegible]
13967	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19°	[illegible]	[illegible]
13968	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13969	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13970	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13971	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Focus Set 15.6 R.D.
K.K. 23.35

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	2h 15m W	+5° 37'	0-1	7.9	Aop. 3-3-3	← Showed Forest Hill H.S. standing (~70) M 15 with 74"
[illegible]	2h 35m W	+48° 32'	1-2	(9.5)	Ocp. 1½-1½-[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

2 Trial Lenses
2 Test Plates Inserted

Date Thurs, Oct 23-24, 1947, Wm - L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13972	HD 180671	19h 56m	+45° 29'	I 25	[illegible]	[illegible]	+15.6	13 13	20 13	
13973	HD 4550	00h 48m	+25° 49'	"	"	"	+15.5	[illegible]	[illegible]	
13974	" 15138	02 21	+40 07	"	"	"	+15.2	20 47	04 17	
13975	" 21483	04 12	15 38	"	"	"	+13.4	01 22	01 32	
13976	" 23104	04 45	19 41	"	"	"	+12.4	01 54	01 58	
13977	" 36161	05 20	31 44	"	"	"	+13.3	02 [illegible]	02 [illegible]	
13978	" 39312	05 48	20 09	"	"	"	+13.3	03 [illegible]	03 15	
	6 Exposures				OT 1					

Set Focus 15.628

Very near Limit (T-d = -12)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2^h 09	+26° 02'	O	7-94 KO	3-3-3 AG25	
	1 45 W	+15° 01'	□	7 33 K03-3-3 AG25		250
	0 42 W	50 00	O	6 61 K2	3-3-3	Dark Nebulosity
	0 06 E	13 12	O	6 16 F4	3-3-3	
	0 25 E	19 47	O	7 06 F8	3-3-3	
	0 46 E	31 45	O	6 56 A2	3-3-3	Cepheus
	1 34 W	20 04	O	8 57 G0	3-3-3	AG 25
					10/17	
						Thursday - Nice night - about 270 exp.

(left T open night)

Date Friday, Dec 20-15 Yu — W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13979	HD. 190073	$19^h\ 58^m.1$	$+5°\ 28'$	I-25"	E103a O	.008	+9.5	$18^h\ 28^m$	$20^h\ 13^m.1$
13980	HD 218393	$23^h\ 02^m.6$	$+4°\ 40'$	"	"	"	+9.4	$22^h\ 45^m$	$23^h\ 4^m.2$
13981	[illegible]								
					150				
					50				
					270				
					300				
					230				
					1000				

Fri. About 300 visitors (U. open night)
Showed 74" (plugg + 8 Lec), 5" (C), 19" (C), 4" (C)

Focus dob. 15.545"
V.R. 23.50

170

Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
2h 05m W	+45° 34'	0	7.9 Aop	3-3-3
2h 30m W	+49° 52'	0	6.8 Aoe	3-3-3 Re Ptg.

Date Sunday, Oct. 26-27, YU - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
13987	HD 190073	$19^h 58^m.1$	$+5^\circ 28'$	I - 20"	E103a-O	.008	$+17^\circ.8$	$18^h 09^m$	$19^h 40^m$, 1
13988	HD 2 And 221650	$23^h 28^m.9$	$+48^\circ 16'$	"	"	.018	$+17^\circ.9$	$19^h 55^m$	$23^h 55^m$, 2

Focus Set 15.658
V.R. 23.40

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
19h 40m	1h 40m W	+5° 27'	1-2	7.9 Aop	3-3-3 Checked flipper
23h 55m	2h 25m W	+48° 32'	2	(9.5) Aop	1½-1½-1½

Oct. 27 MC −04s SC +28s MTW +00.3 STW +07

Date Aug. Dec 1 2 3 4 7 L-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
13989	Orion	05 14.3	-05 26	I	E	5/16	17.8	22 05	23 22	
	"	"	"	"	"	"	"	23 21	0 38	
13990	HD. 13338	02 16.8	60 07				17.7	23 13	0 [illegible]	
13991	[illegible]	[illegible]	[illegible]				17.7	00 16	[illegible]	
13992	Orion	05 [illegible]	[illegible]				17.7	[illegible]	[illegible]	
		Focus Shift								

Found asteroid Nov. 15 1957

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					Power went off while setting started, back on at 0000 Lay down briefly. Waited to take a plate on Nova
	5 50 E	-05 13	1		1½-1½ } Trails of 5 mins in 15 min. Exp.
		"	"		1½-1½ } Shutter with light shade.
	2 [illegible]	50 19	2	6 61 Pg	3-3-3 Binary Double Star. Image Quite Good
	[illegible]	13 [illegible]	1-2	6 56 Pg	2-2-2 " " "
	[illegible]	[illegible] 49	2	7 06 Pg	3-3-3 Exposure was [illegible] Plate [illegible]
		0 T 6			1½/4 and the plate [illegible]
					[illegible]
					S. H. LOADED
					Plates Needed
					Observer Read Meter [illegible]

Date Tues, Oct [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	206374 [illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	1949 Oct 21 (1901)		changed from 25-in. to 12½-in. camera						H M	
12993 F	Tom Tit				E 1040	c.f.B	+09·2	Tit	2C 32	

Set Focus 5-12
(Kept 13 + 8 Tu - 0.2)

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date Friday, October 31-Nov. 1, 1947 H-W Julian Day 9

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
13996	HD 190470	20 00.0	+25 38	I-12	F 103a-O	008	+9.2	17 53	18 29	1
13997	197514	20 39.1	+26 54	"	"	"	+9.3	18 42	19 30	3
13998	204921	21 26.7	+29 50	"	"	"	+9.2	19 32	20 10	4
13999	214367 W Cyg	22 32.1	+57 54	"	"	"	+9.3	20 18	21 02	1
14000	218454	23 03.1	+29 54	"	"	"	+9.3	21 11	21 53	2
14001	111	00 00.9	+27 43	"	"	"	+9.3	21 55	22 35	3
14002	4744	00 44.4	+29 54	"	"	"	+9.3	22 28	23 08	4
14003	5705	00 53.6	+27 18	"	"	"	+9.3	23 09	23 43	1
14004	14376 Muro	02 11.2	-03 26	"	"	"	+9.2	23 49 52	0 31 02	2
14005	14146	02 12.2	+28 34	"	"	"	+9.2	0 05	0 40	3
14006	15135	02 31.2	00 07				+9.2	0 33	1 11	
14007	27453	04 15.2	18 08				+9.2	01 15	01 51	
	Epsilon Aur	04 54.8	43 49							
14008	30 Aur	05 22.2	28 56				+9.2	02 22	03 02	
14009	36 Aur	05 32.2	32 04				+9.2	03 04	03 44	
14010	36 Lyn	07 26.1	57 34				+9.2	04 20	04 58	

Frame left on at ~~mm~~ micrometer 12.1.0
Vernier: 26.1.0

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
					2 filters out	
	0 57 W	+25 37	1-2	8.51 K0	1-2-1	AG 25
	09 W	+27 05	2	8.72 M2	1-1-1	AG 25 Wisps during family. Hydrometeors?
	05 W	+30 03	2-1	8.4? K0	1-1-1	AG 25
	4[illegible] W	+58 07	2	9.? M?	1-1-1	Mistake with. Very wk. 7.5 mag?
	09 W	+30 06*	2-1	8.47 K5	1-1-1	AG 25 Trouble shutting in this. Dec #4' Checked mnp.
	12 W	+27 56*	1-2-1	8.02 K2	1-1-1	AG 25 *Dec mistake 4' south
	42 W	+30 09	1-2	8.41 G5	1-1-1	AG 25 Checked mnp. Shutter 1's.
	07 W	+27 21*	2-1-0	8.11 K0	1-1-1	AG 25 * 3' south.
	06 W	-03 14	1	~~mm~~ M	3 3 3	guided on ~~mm~~ stars 60°, 50°, 10°.
	55 W	+[illegible] 16	1	8.20 M0	1-1-1	AG 25
	1 05 W	+56 20	1	6.61 F2	1-1-1	[illegible]
	0 26 E	+13 42	1	8.56 F[illegible]	1-1-1	[illegible]
				7.06 F[illegible]		[illegible]
	1 [illegible]	[illegible]	1	8.46 G[illegible]	1-1-1	AG 25
	0 06 W	12 46	1	6.56 A2	1-1-1	[illegible]
	1 [illegible]	[illegible]	1	8.58 K[illegible]	1-1-1	[illegible]

Date Sat. Sat. 31-Sun 1 1947 H/M Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Zero Angle Incl
14011	29104	04 29.8	19 41	I-12	Ektar	.008	9.2	04 29	04 47	
14012	54825	07 05.3	22 34	"	"	"	9.2	04 51	05 20	
14013	53410	06 49.7	26 31	"	"	"	9.2	05 23	05 18	
		Finis Sat								
							.92			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	2 38 W	19 44	6-1	7.06	FX 1-1-1 BINARY SMALL PORTION OF MOON STILL VISIBLE
	0 34 W	26 30	"	7.71	K0 1-1-1 AG 25
	0 54 W	26 24	0	7.71	GS 2-1 AG 25 CLOUDS.
		O.T.B.			10/7 SHUTTER sticked in middle
					4 P.H. LOADED
					2 BOXES P. DEVELOPED.

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14 014	HD 122967	14h02m 0s	+63°50'	I-16	[illegible]	[illegible]	+10.7	12 54	[illegible]	
14 015	HD [illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	
14 016	HD 213 031	[illegible]	[illegible]	"	"	"	+10.7	[illegible]	[illegible]	
14 017	HD 215 864	[illegible]	[illegible]	"	"	"	+10.7	[illegible]	[illegible]	
14 018	HD [illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	
14 019	HD [illegible]	[illegible]	[illegible]	"	"	"	+10.7	[illegible]	[illegible]	
14 020	HD [illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	
14021	" [illegible]	02 [illegible]	21 03	"	"	"	+10.5	[illegible]	[illegible]	
14022	" [illegible]	03 [illegible]	28 41	"	"	"	+15.6	01 [illegible]	[illegible]	
14023	" [illegible]	04 17 0	27 28	"	"	"	+15.6	02 [illegible]	[illegible]	
14 024	" 43581	04 [illegible]	26 28	"	"	"	+10.6	03 [illegible]	[illegible]	
14025	" [illegible]	[illegible]	[illegible]	"	"	"	+10.6	[illegible]	[illegible]	
14026	" [illegible]	[illegible]	[illegible]	"	"	"	+10.5	[illegible]	[illegible]	
	Total [illegible]						[illegible]			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Sun Nov 2-3, 1947 Hd-11. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
14=27	HD 189317	19 54.3	28 20	I-12	E1030	008	+12.1	17 49	18 31 3
14028	HD 189796	19 56.7	29 33	"	"	"	12.1	18 34	19 34 4
14029	AG 13020	21 51.7	25 58	"	"	"	12.1	19 44	21 04 1
14=30	HD 214393	23 02.6	49 40	"	"	"	12.1	21 08	21 18 2
14031	HD 220617	23 20.6	25 39	"	"	"	12.1	21 21	22 31 3
14032	HD 4006	00 37.5	29 34	"	"	"	12.1	22 34	23 12 1
14033	HD 10516	01 41.5	25 40	"	"	"	12.1	23 16	23 58 1
14034	HD 13565	02 07.3	30 06	"	"	"	12.1	00 01	00 34 2
14035	19851	03 16.2	29 36	"	"	"	12.1	00 38	01 47 3
14036	27246	04 31.5	25 32	"	"	"	12.0	01 52	03 04 * 04 4
		Focus Test							

Focus 12.920

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
18 31	W 1 03	28 25	0	8.19 G5	1-1-1	Val prog
	W 2 03	29 40	0	8.40 G5	1.1.1	"
21	W 1 39	26 12	0	8.72 G0	1-1-1	" Wrong Val plate.
	W 042	49 54	1	6.8 Ave	1-1-1	Be prog
22	W 1 37	25 53	1	8.77 K0	1-1-1	Val, prog.
	W 1 01	29 47	1	8.09 G5	1-1-1	"
	W 0 43	25 52	2	8.51 K0	1-1-1	" Plate appeared dense in tube ?
	0 51 W	30 20	2	8.30 G5	1-1-1	" HAZE & CLOUD DRIFTING S.
	1 01 W	29 37	2	8.93 G5	1-1-1	" [illegible]
	0 56 W	25 38	2	8.45 K2	1-1-1	HAZE
		O.T. 2.			6/4	

P. H. LEWOLD

DEC. CLAMP STUCK. COULD NOT BE MOVED.
TEL. MIRRORS STILL UNCOVERED

185

Date 21hm. Nov. 6-7. Yu – L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
14037	CG Cygni	$20^h\ 54^m.2$	$+34°\ 47'$	I – 12"	E103a-0	.016	$+11°.2$	$18^h\ 00^m$	$21^h\ 80^m,2$
14038	2 And HD 221650	$23^h\ 38^m.4$	$+46°\ 16'$	"	"	.008	"	$21^h\ 10^m$	$23^h\ 40^m,3$
14039	" 14876	02 189	27 13	"	"	"	11.5	23 52	00 98 4
	Blue Seal				O.T.B.				

Focus 12.9.20

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
21h00m	2h50m W	+34° 57'	1-2	(10.2)	½-½-½ 19h 20m - 19h 55m intermittent clouds.
22h0	2 53 W	+48° 32'	2	(9.5) Dup	1-1-1
23h	1 11 W	27 25	2	8.79 Ko	1-1-1 AG. 25 Haze and clouds 3/4 Started rain down on 1/2 hour, sky getting more overcast.

	MC	SC	MTW	STW
Fri. Nov. 7	-07.8	+20.4	+16.s2	+0m.6

Date Saturday, Nov 5-6, 1927 Mon-W. **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
19010	AGelig			I-C			+7.7		
19011	HD 200076								
19012	HD 216818								
19013	HD 1736								
19014	HD 1982-0								
	Sunday Night 6-7	Nov 9-10		Thin	Overcast	Y. L			
		Nov 10-11		Thick	Overcast - Rain. L - W				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0ʰ57	+25°38′	0	8.19 G5	1-1-1	

189

Date Tuesday Nov 12, 1907 W.B. -W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14045	HD 1533	00h15m	-25°56'	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
14046	HD 10312	01h53m.2	+1°40'	"	"	"		[illegible]	[illegible]	
14047	HD 14395	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]	[illegible]	
14048	HD 17073	[illegible]	[illegible]	"	"	"	56	[illegible]	[illegible]	
14049	ZH 665	[illegible]	[illegible]	"	"	"	66	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
14051	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
14052	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

MC −09.5 SC +17.0 MTW −26.2 STW +0.1

191

Date Wed Nov 12-13, 40- Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14053	HD 190073	$19^h 58^m.1$	$+5^\circ 28'$	I-12"	E103a-0	.008	$+6^\circ.0$	$17^h 33^m$	$18^h 03^m$, 2	
~~14054~~	OG Cyg.	$20^h 54^m.2$	$+34^\circ 47$	"	"	.012	"	$18^h 10^m$	, 3	
	Focus Test.									

Focus set 12.935

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
$18^h 03^m$	$4^h 10^{41} W$	$+5^\circ 37'$	1	7.9 Asp.	1-1-1	
		$+34^\circ 58'$	2	(10.2)	$\frac{1}{2}$-	$18^h 15^m$ Clouded up
		O.T.B.			$\frac{6}{4}$	21^h still cloudy + no sign of clearing

193

Date Thursday Nov. 13-14, 1947 Wm. L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14054	SD 5007	00h41m0	+25°34'	I-12	F1 red	20"	13.5	21 33	22 [illegible]	
14055	AD 11650	04 [illegible]	+21 [illegible]	"	"	"	13.0	22 40	23 33	
14056	" 19485	03 [illegible]	+25 13	"	"	"	13.0	23 47	0 01	
14057	" 25834	04 [illegible]	+30 00	"	"	"	13.0	01 55	02 [illegible]	
14058	" 38710	05 [illegible]	+29 [illegible]	"	"	"	13.0	03 [illegible]	03 [illegible]	
14059	" 19101	04 [illegible]	+29 [illegible]	"	"	"	13.0	03 [illegible]	04 [illegible]	
14060	64532	09 [illegible]	+26 [illegible]	"	"	"	13.0	04 [illegible]	05 [illegible]	
14061	" 77574	08 [illegible]	+21 01	"	"	"	13.0	05 [illegible]	06 [illegible]	
	Solar Spectrum					O.I.S.				

Form 12-335

194

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Friday 1937 Nov 19-20 U.T. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14062	H.D. 196525	20 21.0	+30 15	11	E nga.0	.008	+03.5	7 15	8 24	
14063	000946	20 39.1	+36 36	-	-	-	+03.5	15 42	16 52	
	916 = 20	21 39	+30 30							
	for Dec									
		21 30								
14064	H.D. 198183	20 47.0	+45 11	-	-	-	+02.5	20 32	20 53	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	Comp.	REMARKS

Date Wed. Nov. 19-20, 1947, Yo - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Ind
14065	HΔ Σ And 22165 0	$23^h\ 28^m.9$	$+48°\ 16'$	I-12"	E_{153a-0}	.008	$+3°.7$	$19^h\ 50^m$	$22^h\ 20^m,4$	
14066	HΔ 12535	$01^h\ 57^m.8$	$+27°\ 00'$	"	"	"	$+3°.8$	$22^h\ 28^m$	$22^h\ 50^m,1$	
14067	HΔ 15326	$02^h\ 22^m.9$	$+29°\ 14'$	"	"	"	"	$22^h\ 57^m$	$23^h\ 10^m,2$	
~~14068~~	HΔ 18554	$02^h\ 53^m.9$	$+30°\ 12'$	"	"	"	"	$23^h\ 30^m$	,3	
	Focal Test									

Focus set 12.925" 198

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
[illegible]	2h 25m W	+48° 30'	1-2	(9.5) Oph	1-1-1	Cloudy Clears w/p 19h 30m
22h 55m	0h 25m W	+27° 12'	2	7.93 K0	1-1-1	AG 25"
23h 10m	0h 22m W	+29° 26'	"	7.58 G1	1-1-1	"
		+30° 23	1	8.60 G5	1-	Clouds
		O.T.B.			6/4	

Date Thursday, November 30-31, 1967 Wm. J. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
19.058	HD 6125	01 01 17	+03 10	I-12	103a-D	0.02	+35	21 23		
19.059	HD 6310	01 07 1	+04 52	"	"	"	41-5	23 [illegible]		
19.060	HD 216245	22 46	+18 31	"	"	"	33.5	23 [illegible]		
19.061	[illegible]	[illegible]	[illegible]	"	"	"	+35	[illegible]		
19.062	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]		
19.063	BC 5125	17 [illegible]	[illegible]	"	"	"	[illegible]	[illegible]		
19.064	[illegible]	[illegible]	[illegible]	"	"	"	17.4	[illegible]		
19.065	[illegible]	[illegible]	[illegible]	"	"	"	[illegible]	[illegible]		
	Tau Tau				0 T					

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

* Lacuna 015 Wing star?

4 holders loaded.
21 plates in box in refrigerator.

Nov. 24 N.C. -077 +3 +.46 S.W. +.03

Sat., N-V 22-23. Overcast or cloudy - Wm.
Tues, Nov 25-26. Overcast Wm.

Date Wed. Nov. 26-27. Yu – W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Star Angle End
14076	CG Cyg.	$20^h 54^m.2$	$+34° 58'$	I-12"	F103a-0	.012	$-1.°0$	$17^h 45^m$	$18^h 45^m$, 1	
	From Test									
14077	HD 18-6	$01^h 17^m.6$	$+28° 55'$	"	"	.018	$-2.°2$	$21^h 00^m$	$21^h 20^m$, 2	
14078	AG 966	$01^h 42^m.7$	$+39° 03$	"	"	"	"	$21^h 30^m$	$22^h 25^m$, 2	

Focus : 12.9m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1[illegible]	1h 50m W	+34° 5-7'	0	(10.m)	½ – ½ – ½ (Not empl. emp.)	18h 45m Clouded over
		⊙ T.B			4/3	
2[illegible]	1h 3m W	+29° 9'	0	6.97 A_3	1-1-1	20h 45m clear up again
2:25	3h 45m W	+29° 19'	"	8.88 G_0	1-1-1	AG 25
						22h 25m clouded up again

1 Plate Holder loaded

Conditions: cloudy, sometimes clear with [illegible] of snowing. W.

	HC	SC		
[illegible]	-96.3	+16.1	-1.0	+0.3

Date Fri. Nov 28-29, 1947 HL – Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14079	HD 201 607	21 06.0	26 53	I-12	E103aO	008	-1.1	17 34	18 34 4	
14080	HD 1826	17.6	25 55	"	"	"	-1.2	18 39	19 57 1	
14081	HD 218113	23 [illegible]	27 40	"	"	"	-1.1	19 02	20 02 2	
14082	HD 224857	23 52.4	30 "	"	"	"	-1.2	20 06	21 10 3	
14083	HD 40372	05 [illegible]	01 49	"	"	"		21 20	21 30 4	
14084	HD 3791	00 [illegible]	29 02	"		"	-1.2	21 40	22 30 1	
14085	HD 1826	00 17.6	25 55	"	"	"	-1.6!	22 35	(23 10) 2	
14086	HD 40372	05 [illegible]	+1 49	"	"	"	-1.1	23 19	(23 49) 3	

Focus 12.925

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	W 1 36	27 05	0	8.36	K0 1-1-1	Vel prog.
	E 1 13	29 12	0	6.97	A3 1-1-1	Thinning
	W 1 10	27 55	0	8.44	K2 1-1-1	Vel Prog.
	W 1 22	30 25	0	7.95	K0 1-1-1	" " light clouds
	E 4 15	+1 48	0	6.20	A5 3	No Passing light clouds. abandonned this to
	W 1 17	25 10	0	8.70	K3 1-1-1	Vel-prog. after the binaries
	W 3 00	29 10	0	6.97	A3 1-1-1	Star gone at 2305
	E 1 55	+1 48	0	6.20	A5 2-2	" practically gone at 2345

205

Date Nov 23-24 1917 Wm-1 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14087	HD266316	21h25m4	+25°28'	I-12	I103a O	SET 008	-2·3	17 44	1844	
14088	HD [illegible]	23h17m5	+25°53'	"	"	"	-2·4	18 49	20 05	
14089	HD 9130	01h30m9	-25°23'	"	"	"	-2·7	20 09	21 25	
14090	AG 981	01h41m0	+23°13'	"	"	"	-2·6	21 32	22 21	
14091	HD 24 319	[illegible]	[illegible]	"	"	"	-2·6	23 [illegible]	[illegible]	
14092	" 32 417	04 35	30 14	"	"	"	-2·6	00 42	03 30	
14093A	" 63934	07 36.1	26 05	"	"	"	-2·7	03 34	03 50	

Focus 12.92

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1h27	+25°39'	1	8.68 K0	1s-1-1	AG 25
	0h59	+25°-3'	1	8.36 G5	1-1-1	AG25
	1h16	+25°16'	1	8.88 K5	1-1-1	AG25
	2h00	+25°-5'	1-2	8.25 G5	1-1-1	AG25
	1h24 W	30 44	1	8.77 (F1) G5	1-1-1	AG25
	2h44 W	30 18	1	8.56 K7	1-1-1	AG25 Clouds 1.20 - 2.30
		30 46	1	8.70 K0	1-1	AG25

207

Date Sunday Ko-ji-sen Yu-yo Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle 2nd
14093	EQ Cyg	21h 09m +31° 47'	3-inch	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
"	"	"	"	"	"	"	"	[illegible]	[illegible]	[illegible]
14094	HD [illegible]	02h 57m +01° 37'	"	"	"	"	"	[illegible]	[illegible]	[illegible]
[illegible]	HD [illegible]	02h 17m +29° 06'	"	"	"	"	-4°.5	22h [illegible]	[illegible]	[illegible]
[illegible]	HD [illegible]	02h [illegible] +36° 12'	"	"	"	"	-3°.6	[illegible]	23h 40m	[illegible]
14097	HD 25461	03h 57m.6 +28° 56'	"	"	"	"	-4°.7	23h 47m	[illegible]	[illegible]
14098	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-4°	00 01	[illegible]	[illegible]
14099	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
		+34° 52'	1	(10.2)	1/2 -	
		+34° 52'	2	(10.2)	1/2 - 1/2 - 1/2	
	E	+1° 40'	0	Bias A5	4	No Binoc
	33" W	-29° 17'	1	8.18 K0	1-1-1	AG 25
23h 4m	03" W	-30° 23'	1	Bias G0	1-1-1	AG 25 Thin clouds
	11" W	+29° 02'	1	8.75 K0	1-1-1	AG 25
	E	0° 00	1	6.20 A5	1-1-1	

Date Tuesday, Dec 9/10, 1947 Wm W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14 [illegible]	HD [illegible]	[illegible]	[illegible]	I-12	[illegible]	[illegible]	-2.5	17 45	[illegible]	
14 [illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-2.4	[illegible]	[illegible]	
14 [illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-1.3	[illegible]	[illegible]	
14 [illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-2.3	[illegible]	[illegible]	
								[illegible]	[illegible]	
								[illegible]	[illegible]	
14 [illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-2.3	[illegible]	[illegible]	
14 [illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-2.4	[illegible]	[illegible]	
[illegible]	W.Y. Gem.	[illegible]	[illegible]	"	"	"	-2.3	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	"	"	"	-2.2	[illegible]	[illegible]	
[illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-1.5	[illegible]	[illegible]	
[illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-2.5	[illegible]	[illegible]	
[illegible]	HD [illegible]	[illegible]	[illegible]	"	"	"	-2.6	06 04	07 06	

Dome TEMP. 65°F

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Sunday Dec 11-12 [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1411O	AG. U35	02 45	29 30	I 12½	Ens O	5'/64"	-2 C	21 09	21 11 1	
1411-1	" 23 63	03 37	25 05	"	"	"	+2 D	22 03	21 22 2	
1411P	" 33463	02 02	25 46	"	"	"	+2 D	22 38	22 46 3	
1411S	U.V. QEM.	56-59	20 13	"	"	"	+1	01 14	02 03	
	~~" 44 512~~	~~01 24~~	~~+5 31~~							

Gone 2

Dec 10	MC	SC	MTW	STW
	+02.5 (Best	−06.2	+05°	+0m4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
						Cloudy early in evening clearing from 20.00 on
	M W	28 55	2-1	6 86 Go	1-1-1	AG 25
	W	25 53	1-2	8 34 Go	1-1-1	Lens fm 33 to 22
	W	21 50	1-2	8 51 Mg	1-1-1	
	W	20 13	1-2	Micro	1-1-1	VAR. CLOUDS
				8 56 Ge		Beam Shot Sh. ①
						CLOSED DOWN
						40 H. loaded + 17 B.
						8 on Block + CAL.

Dec-12	MC	SC	MTW	STW
	+04.2	−09.0	+13.0	+0m5

213

Date Fri Dec. 12-13, 1947 Hd-No- Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14114	W Cephi	22 32.6	+57 54	I-12	E103aD	008	-1.8	15 23	18 55 1	2
14115	HD 604	30 05.5	29 01	"	"	"	-2.2	19 22	20 26 2	
	Diffuse Band	—	—	Through	Blue	3/4				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
15 55	W 1 26	58 09	1-2	7 vis 14 p	1-1-1	
2	0 4 W	+29 15	1-2	8·75 G_0	1-1-1	[illegible]

	MC	SC	MTW	STW
Dec. 15	+09.8	−13.6	$+23^{s}.2$	$+0^{m}.1$
			reset	

215

Date Dec 16-17, YU - 1 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14116	CG Cyg	$21^h 47^m$	$+34° 47'$	I-12"	EK103a-O	.012	0°C	$17^h 56^m$	$21^h 26^m$	
14117	HD 196379	$01^h 53^m$	$-25° 27'$	"	"	.008	"	$20^h 35^m$	$21^h 12^m$	
14118	HD 179563	$02^h 48^m$	$+29° 35'$	"	"	"	"	$21^h 23^m$	$22^h 33^m$	
14119	HD 37483	$04^h 15^m$	$+19° 35'$	"	"	"	"	$22^h 42^m$	$23^h 42^m$	
14120	HD 39587	$04^h 45^m$	$+26° 59'$	"	"	"	"	$23^h 42^m$	$2^h 35^m$	
	HD 64535	$07^h 35^m$	$26° 42'$	"	"	"	0°C			

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

217

Date Dec 18-19 '10 – Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1141 21	CG Cygni	21h 14m 2	+37° 43' 2	I-12"	[illegible]	.016	-6°.2	18' [illegible]	2h 35m .1	10
1141 22	NO [illegible]	2h 14m 2	+61° 26'	[illegible]	[illegible]	.008	-6°.5	20 57 25	2 25 24	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
[illegible]	10° W	−3° 48'	0	(0-)	½ − ½ − ½ Clear 18h 30m − 19h 3m
[illegible]	1.5° W	−02° 13'	0	Var. M	Intermittent clouds; 21h 2m − 21h 19m; 21h 40m − 22h 17m clouding up 21h 30m; clear 22h

Closed at 3:30. Sky still thick.

219

Date FRIDAY, DEC 12/20, 1947 Wm. W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14 123	HD 210659	22h12.7m	+23°30'	I-12	Ilford-O	60T 0.03	-8.5°	17 34	18 46	04
14 124	HD 539	00h05.3m	+18°06'	"	"	"	-9.0°	19 52	20 16	
14 125	HD 11 120	01h48.2m	+25°16'	"	"	"	-8.5	20 16	21 10	
14 126	HD 20 630	03h17.7m	+25°34'	"	"	"	-8.5	21 45	23 01	
14 127	HD 36 126	05h27.3m	+28°41'	"	"	"	-8.5	23 03		
14 128	W Y CMi	06h03.7m	+21°11.7'							
14 129	HD parallax									
14 130	HD 92 [illegible]	10h30.0m								

Mirr. Temps. [illegible]

Focus 12.925

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1h04	+20°35'	0	B·70 K5	1-1-1	AG25
	1h36	-[illegible]	0	0·79 M2	1-1-1	AG25
	1h17	+[illegible]	0	B·93 G5	1-1-1	AG25
	1h18	+[illegible]	0	B·81 G5	1-1-1	AG25
	[illegible]	+[illegible]	0	0·70 G0	1-1-1	AG25
	[illegible]	[illegible]	0-1	7h·7·9 M[illegible]	1-1-1	[illegible]
	[illegible]	[illegible]	0	[illegible] K[illegible]	1-1-1	AG 25 [illegible]
	[illegible]	[illegible]	[illegible]	[illegible] G[illegible]	1-1-1	[illegible] AG 25
		[illegible]			½	[illegible]

[illegible]

[illegible]

Sun. Dec 21-22 [illegible]

Date Tues. Dec 23rd, 1919 W.W. - W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14 131	HD 1501	00h17.1	+13°55'	1	12		-8.8	18.14	18 34	
14 132	HD 27453	04h2	+13 38'	"	"	"	-3.5	19 10	19 30	
14 133	HD 14479	02h12	+16°34'	"	"	"	-3.7	20 00	20 23	
14 134	HD 22 849	03h35.1	+25°10'	"	"	"	-3.0	21 42	22 22	
14 135	AG 2603	04h15.5	+13°12'	"	"	"	-2.0	23 28	23 46	
14 136	HD 37 [illegible]	[illegible]	[illegible]				-1.4	[illegible]	[illegible]	
14 137	[illegible]	[illegible]	[illegible]				-2.4	[illegible]	[illegible]	
14 138	[illegible]	[illegible]	[illegible]				-4.1	[illegible]	[illegible]	
14 139	[illegible]	[illegible]	[illegible]				-4.1	[illegible]	[illegible]	
14 140	[illegible]	[illegible]	[illegible]				-3.3	[illegible]	[illegible]	
14 141	[illegible]	[illegible]	[illegible]				-4.0	[illegible]	[illegible]	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
1[h]0[m]	-36°12'	0	8.07 GO	1-1-1	AG25		
2[h]45[m]	—	0	8.43 F4	3	Binary		
1[h]50	+50°27'	0-	8.99G5	1-1-1	AG25		
1[h]1	+50°26'	0-1	8.99G5	1-1-1	AG25		
2[h]5[m]	+38°14	0-1	9.70 GO	1-1-1	AG25		
2[h]1[m]	+8	0-1	6.42 F4	3	Binary		
2[h]11[m]	+1	0-1	6.42 F4	3	Binary		
2[h]21[m]	-11	1	[illegible]	1-1-1	AG25		
2[h]31[m]	-17.05	1	[illegible]	1-1-1	AG25		
2[h]41[m]	-23.15	1	[illegible]	1-1-1	AG25		
2[h]51[m]	-27.25	1	[illegible]	1-1-1	AG25		
	R.T.B.			3/4			

H. is hazy only

* 2 H. lowered Box Plates used

MERRY CHRISTMAS TO ALL

Date Thurs, Dec. 25/26, 1947 Wm-W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14 142	HD 223 133	23h41m3	+27°52'	I-12	[103a O	set	-2.3	1901	1845	1:3
14 143	HD 5462	00h51m3	+25°48'	"	"	"	-2.3	1951	2001	1:4
14 144	HD 12426	01h56m7	+25°17'	"	"	"	-2.3	2007	(2153)	1:6
	Focus test									

Sat Dec 27. Bad - a few breaks early in evening. Clearing about 23:50 but clouds - morning in again at 0020.

FOCUS 12.225

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
1[illegible]	0[w]58	+28°07′	1+	8.40 MO	1-1-1	AG25 considerable haze [illegible]
2051	1[w]04	+26°03′	2	8.37 MO	1-1-1	AG25 " " [illegible]
2[illegible]	1[w]56	+29°31′	1	8.98 G5	1-1-1	AG25 2100 – [illegible] thickening on slit 2200 – [illegible]
		OTB			6-4	4PH LOADED

five plates in one of black panels in opened box of plates in spotting room

Hyde [illegible] 2w 2300-2400 = Hr 2E

[illegible] - W. Dark [illegible]

225

Date Sunday Dec 28-29/47 L-W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14145	H.D. 4E31	00 45.3	21 02	I-12½	E-103-0	60/200	-08.0	17 45	18 22	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 06 5	25 17	0	7.63 65	1-1-1	AG. 25 Some wind snow on dish Stay cloudy for rest starting to snow. Poor (mod.)

Thick fog 2300 - 0030, clearing 0100 - then clouds.
clearing 0230 - opened, but more clouds. -
variable cloudiness. W.

	HL	SC		
Dec 29	+21.7	+1.5	+5.7	

227

Date Monday Dec 29 1947 Julian Day 1-2

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1414	ND 220334	23 17.5	+35 22	2-2	[illegible]	[illegible]	+12-0	17 30	[illegible]	
	Focus Test									

1947 Dec. Monday 29-30 Jan. 1, 1948. [illegible] Exposed

1948 Fri. January 2-3 Clearing 10 30? Stars 11 00 - 12 30, but a little too hazy to expect I hesitated and became overcast [illegible] of morning. IV.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

	MC	SC	HTW	STW
Dec. 31	+23.4	−44.6	+19.2	+0.7
Jan 5	+28.6	−53.2	+07.8	+0.3

229

Date Jan. 7-8 Wed Yu - ... Julian Day ...

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14147	2 A.M. HD 22160	3h 28.9m	+48° 16'	I-12"	E103a-0	.068	-2°.0	18h 19m	2h 0m	2
14148	HD 25461	03h 57m	+25° 55'	"	"	"	-2°.2	21h 15m	22h 15m	2
14149	HD 38141	05h 35m	+24° 50'	"	"	"	"	23h 33m	23h 53m	2
14150	HD 45542	06h 38m	+24° 21'					0h 01m		
		Focus Test								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	4h 18m W	+48° 30'	0	9.5 ; 0.4	1-1-1 good
	2h 53m W	+29° 05'	1	8.26 K₂	1-1-1 AG 25 5 fine
	2h 00m W	+26° 13'	1	8.99 G₀	1-1-1 AG 25 ∴ fine
	[illegible] W	+24° [illegible]	1	8.15 K₂	1- AG 25 1 week
	B T B.			5/1	CLOSED 21 38 - SEMI. BRIGHT STARS. focus ok
					2 P.M. CLOSED - PLATES NOT NEEDED. H. FINISHED 4 SM.

231

Date Fri Evening Nov. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
14151	H.D. 86137	09 51.3	29 52	I-12	103aO		-3.2	03 04	03 54 5
14152	H.D. 86568	15 06.2	25 19	"	"	"	-5.3	05 09	06 49 3
		7	7						

Sat Jan 10 Changed to 25" Camera (15.323)

14152F	Four Tent		I-25	103aO	.008	-8.0	Focus		15.	
14152F2	" "		"	"	"	(Setting -8.7)	.315	3		Hdz 1
							.280	5		
							.350	8		
F3	" "			"	"	-8.0	.26	2		
							.32	4		
							.38	6		H Sa. 2
							.44	8		

INTERMITTENT CLEARING + CLOUDING WITH SNOW — Form 12-925
CLEARING AROUND 9:00 WITH STRONG COLD NORTH WIND
DOME TEMP AT 9 P.M. +10°C
" " CLOSING +05°F

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1 CCW	21 47	VERY POOR	79 Ks	1-1-1	A.G. 25
	1 39 W	25 02	"	7.94 G5	1-1-1	A.G. 25 HAZE AT END OF EXP.
		O.T.B.			5/7	
						HOT ON CLOCK & G.
						& P.M. LOADED 1 3RD PLATES NEEDED
✓						
	1 Okt 23.15	O.T.B.	+		10/7	Forms not good: centre to violet.
	" "	"			10/7	attempt to standardize ; was : Dr Hunter setting OK Result - all to violet (plate fuzzy) ; emulsion undercut - this suggests that both F. & F2 exposed through glass
	" "	"			"	Setting 4 right on ; this compares that plates F+F2 were exposed through glass & tabulation values for forms are OK.

Date [illegible] Julian Day [illegible]

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14153	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-6.8°C	19 42	19 22	3
14154	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19 28	[illegible]	4
14155	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1
								20 21	20 23	
								20 27	20 31	
14156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2
							-6.9	[illegible]	[illegible]	

Telescope very badly out of focus and focusing not working. Finally fixed with bolt through

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
		+19 55	1	3 BAc	3,3,3	
	W 1 40	+13 46	1	65 Bg	3,3,3	
				354 B_0	10 Set 1	
					10 " 6	
	E 2 01				10 " 9	
	E 2 59	-4 45		4,57 B_3	10 Set 1	cloudy.
	E 1 47				10 Set 6	clouds coming up
					Ten clouds enough for focus.	
					closed 3:10 very cloudy.	
					Clear overhead, some clouds west. Opening	
					east around 0130-0230. Thick mist of light	
					frost ... little clearing at end of run.	

235

Date Sun. Jan. 11-12, 1930 — Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.
~~1414-7~~	5U Cam.	$2^h\ 43^m.1$	$+68°\ 41'$	1-24"	[illegible]	.068	$-3°.3$	$19^h\ 45^m$	$20^h\ 4^m.3$
~~[illegible]~~	HD 27465	$4^h\ 15^m.3$	$+13°\ 32'$	"	"	"	"	$21^h\ 10^m$	"
	From Jan 12			14d					
	Changed to 1-12.			Set focus			12.925		
						Tilt	20.32		
[illegible]	Focus Test								
					O.T.B.				

1950.0
V.R. 230

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1" W	+68° 46'	1	(6.4) F_2	3-3-3	Cloudy until 19h 30m but [illegible] Exp. extra fine. [illegible]
		+13° 46'	1	6.5 F_2	3-	[illegible]

6-4 Setting 1 From 12.975
6-4 5 From 12.875
6-4 9 From 12.925

237

Date Tuesday, Jan 13/14, 1915 Wm. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
	HD 26031	04h 24m	+25° 35'	I-12	Ilford D	3L.T cc=		21 10		

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
				856 KO 1-	-0.85
				Jan. 14	MC +38.6 SC -1 03.9 MTW -20.2 STW -0.1

239

OK now

Date Wed. Jan. 14-15 Yu-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Start
14167	2 And HD 221650	23h 28m	+45° 16'	I-12"	E103a-O	.002	-10°0	18h 15m	21h 15m, 2	
14158	HD 30945	4h 46m	+26° 27'	"	"	"	-10°3	21h 33m	22h 49m	
14159	HD 42475	6h 6m	+21° 18'	"	"	"	"	22h 55m	01	
14160	HD 76752	8 53	25	"	"	"	-16.2	01	01	
14161		10 18.2	21	"	"	"	-9.1	23 43	01 31	
14162		11	21	"	"	"	-15.1	00 26	02	
14163		12	17	"	"	"	-15.1	00 51	02	

Fri Jan 16-17 Hd. mostly cloudy mirror heavily frosted. Heater on it 12a - 2200 Tel results

Dome Temp. −2.0 F.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Sat, Jan 17-18, 1913 Wn-1 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Sidereal
1 H 164	HD 8900	01h11m2	+28°03'	7 - 12	[illegible]	slit	-6.6	17[illegible]	18[illegible]	
1H 165	BD +4°343	02h12m5	+5°13'	"	"	"	-6.6	19 01	20 24	
1H 166	HD 21 3[illegible]	03h[illegible]	+21[illegible]	"	"	"	-6.6	20 3[illegible]	21 [illegible]	
1 H 167	HD 31 963	04h[illegible]	+[illegible]	"	"	"	-6.7	22 02	23 [illegible]	
1H 168	HD 46532	06h[illegible]	+[illegible]	"	"	"	-6.8	2[illegible]16	00 32	
[illegible]	- 27109	00 04.2	21 43	"	"	"	-7.0	[illegible] 37	02 02	
1H 170	- 53617	06 31.7	65 16	"	"	"	-6.3	02 09	03 42	
1H 170E	- 56234	11 00.1	21 45					03 48		
	Flame Spect					OTO				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	1ʰ03		0	8.25 KO	1-1-1	AG25T
	1ʰ30		0	8.72 KO	1-1-1	AG25T
	1ʰ32		0	8.79 G5	1-1-1	AG25T
	1ʰ52		0	8.50 G5	1-1-1	AG25T
	1 18 W		0	8.61 G5	1-1-1	AG25T
	1 29 W		0	8.56 Ko	1-1-1	AG 25
	1 33 W		0	8.56 Go	1-1-1	AG 25
				8.91 G5		AG 25 Clouds — cupli
					F/4	after start?

Date Sun Jan 18-19, 1948 Hd-V Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	
14171	HD 9224	01 25.7	28 54	I-12	E103aD	008	-7.0	18 17	18 55	2
14172	HD 24301	03 46.9	26 22	"	"	"	-7.5	20 25	21 41 43	1
14173	HD 32387	04 57.8	24 52	"	"	"	-7.8	21 46	22 36	2
14174	HD 41708	06 01.7	27 2.7	"	"	"	-7.6	22 40	00 22	2
14175	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	00 27	02 27	[illegible]
14176	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	02 34	04 30 GONE	[illegible]
14177	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6 05	[illegible]

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	W 0 58	29 10	0	7.74 Go	1-1-1	Clouds - Thick
	W 1 25	26 29	0	8.61 Go	1-1-1	
	W 1 07	24 55	0	8.26 G5	1-1	
	E 0 [illegible]	27 25	0	8.58 Go	1,1-1	star seems faint.
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Jan 20-21 Cloudy @ sunset, gradually becoming clear east by 1h 20m. Wm.

245

Date Had Jan. 21-22 Yu - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14178	HD 221650 2 And	23h 28m	+42° 16'	7-12"	Eastman	.012	−2°.0	15h 10m	19h	

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

4 Plate Holders Loaded.
1 Plate only is Bon
Mirror Testing put in.

Clear nearly, seemed to be a very light haze; moist; some clouds: 0100 0200. Clearing; Haze thickening Vic.

247

Date Sunday Feb 23/45 L.W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14179	HD 14918	02 19 3	25 02	1 - F2	103-0	2 mm	-8.9	19 08	21 10	4
14180	" 10460	01 53 8	27 17	"	"	"	-8.9	21 21	22 +31	
14181	" 18540	02 50 3	29 46	"	"	"	-8.9	22 48	00 22	1
14182	7 Cet 3	03 20.4	21 14	"	"	"	-9.0	00 30	01 36	3
14183	P 3807	04 38.5	28 26	"	"	"	-9.0	01 21	0339	3
14184	10 Eri 4	04 40.2	24 46	"	"	"	-9.1	03 42	0603	1
14185	15 Eri 2	04 49.2	31 31	"	"	"	-9.2	06 05	0709	2
		Focus Shift								

Object start because of clouds at summit

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	2 36 W	25 16	0	9 37 Go	1-1-1 AG.25 Hayes, seeing bad!
	3 33 W	21 16	0	8 02 Ko	1-1-1 " "
	133 W	84 43	0	8.16 Ke	1-1-1
	1 02 W	83 03	0	7 03 Ka	1-1-1 " "
	1 32 W	22 12	0	8.32 Ge	1-1-1 " " wispy cirrus
	2 03 W	27 27	1	7 72 Go	1-1-1 " "
	0 41 W	26 17	0	7.11 Ke	1-1-1 " "
		O.T.S.			5/4
					1 P.H. Loaded + 5 Plates
					with G.
					H. on M. Clock + G.
					Dome Temp @ start -4° F
					" " @ closing -12° F
					Late of Booking Error Time Hand Wrong
					Jan. 23 MC +47.4 SC -74.0 MTW -22.8 STW -0.7
					adv. 1 min

Date [illegible] Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
[illegible]	HD 13601	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-15.0	1814	1914	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2041	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	08 41.1	28 32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Try Focus - micrometer reading 12.900 250

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0T54	-26 25	0	3.14 G5	1-1-1	AG25
	1"23	-25T16'	0	8-0 SD	" 1-1	"
	1"35	-25°24'	0	9.61 G5	" 1-1-1	"
	2:18	+25°15'	0	8.61 GO	" 1-1-1	"
	6:22	-28 21	0	6.75 G5	" 1-1-1	"
	8:14	-28 21	1	X10 K2	" 1-1-1	"
	10:1	-27-2	1	6.54 K2	" 1-1-1	"
		O T B			0/4	
					Hour W. Corr	
					1 P.M. Local = 24 P	
					Dome Temp -3°	

251

Date Sun, June 25-26, YU - Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1 14193	NGC 2158	22h 28m	+48° 16'	3-10"	[illegible]	[illegible]	-8.5	18h 34m		
1 14193	42 Tau Cet 17463	2h 50m	+42° 18'	"	"	"	"	2h 02m	3h 30m	
1 14194	AE 31 782	4h 51.5	+26° 01'	"	"	"	"	20h 48m	21h 30m	
1 14195	NGC 4753	12h 46m	+1° 31'	"	"	"	"	21h 56m	23h 27m	
1 14196	NGC 6934	20h 31m	+7° 46'	"	"	"	-8.6	20h 0m	1	

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date Time Jan 27 05/6h Hor-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
10197	HD 13936	02 09.7	26 37	I-12	Eastman 40	0.8	-9°	18 41	18 47	
10198	HD 14633	02 19.2	25 38	"	"	"	-9°	18 57	19 17	
10199	HD 15806	02 32.4	26 12	"	"	"	-5°	19 21.7	19 35.7	
10200	HD 16497	02 37.4	25 02	"	"	"	-9°	19 39	19 49.3	
	HD 17361	02 47.1	25 27	"	"	"		19 55		
10201	Praesepe	08 35.4	20 13	"	"	"	-9°	21 07	21 20	
	Standard					0.1	"			

Something wrong with mirror for
awhile before [illegible] and I had
middle of chart to cover all the
way home.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	W 1 55	27 05	0	8.61 G5	1, 1, 1
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	W 1 [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	W 1 47	[illegible]	[illegible]	[illegible]	[illegible]
				[illegible]	[illegible]
					[illegible]
	50 W	[illegible]	[illegible]	[illegible]	[illegible]

Date Wed Jan 29-30, 1908 HL-L Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14202	H 017485	03 02.8	25 13	2-12	E 103-0	.08	-10.2	19 29	20 59*	
14203	" 84440	09 40.4	27 32	"	"	"	-10.1	01 14	02 54	
14204	" 91476	11 07.9	21 45	"	"	"	-10.1	02 58	04 46	
14205	" 119746	15 42.6	29 29	"	"	"	-10.1	04 59	06 54	
	Same as H					C.D.C.				

Clearing slowly at moment.

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
2 59*	W 2 08	25 25	0	8.70 G5	1, 1, 1 Clouds 2010* nothing thereafter very thick Breaking again shortly after midnight wanted Pa V which I have open
	1 37 W	27 17	0	8.42 K0	1-1-1 AG 25 1 min
	1 53 W	27 27	0	8.63 K2	1-1-1 " " 1 min
	2 [illegible] W	27 13	0	8.91 G5	1-1-1 " " 1 min
					6/4 north light, to red*

257

Date Fri Jan 30-31 Yu-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14206	HD 3 Ann 2016	03h 25m 9	76° N'	I-12"	Eastman	.008	−15.5	18h 15m	20h 13m	
14207	HD 31781	04h 52.5	+28° 06'					20h 28m	23h 18m	
14208	HD 34429 UMa	7h 26m	−11° 34'					23h 08m	25h 48m	
14209	HD 67369	8h 11m	+47° 03'					24h 00m		
[illegible]		[illegible]								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Feb. 4-5, Yo -W1 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14310						.012				
14311						.008				
14312										
14313										
14314										

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
				7.28 Fs		

261

Date Thurs Sat 5 6/48 L.W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14218	HD. 47836	6h 36.5m	27 11	T 12½	E 1340	3st 028	71.5	22 05	23 45 2	
14219	" 73216	08 43.6	28 10	"	"	"	-7.5	23 31	0 53 5	
14220	93951	10 41.9	27 26	"	"	"	-7.4	0 05 4	* Guide 1 33	
		Trans	Set							

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
					Broken clouds, hope, lady in evening clearing 21.02 good at 21.30
	1 50 W	27 08	0	8.22 Ko	1-1-1 AG 25
	1 50 W	29 18	0	8.08 Ko	1-1-1 Same exposure
	1 [illegible]	[illegible]	[illegible]	[illegible]	1-1-1
		D. T. B.			5/4
					H and N
					4 P.H. Lacerd - Sea Pictures Needed

263

-7.2

Date Fri. Feb 6, 1948 W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
14521	H.D. 101466	11 23½	ZP 40	I - 12	103a-O	.048	7°	03 25	03 [illegible]	
		Dec.	Dec.							

Try focus - micrometer 12.890
Set focus 12.790

264

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

Date Sun Feb 8-9, Yu-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14222	30 Cas HD 17463	2h 42.0m	+68° 28'	I-13"			-5.5°	18h 18m	19h 40m, 2	
14223	HD 21451	3h 21.2m	+24° 28'	"	"	"	"	18h 52m	20h 20m, 3	
14224	BD 32°35-6	5h 05.9m	+32° 52'	"	"	"	-8.9°	20h 16m	21h 00m, 4	
14225	HD 59693	7h 24.0m	-9° 20'	"	"	"	-9.0°	22h 04m	22h 35m,	
14226	HD 59846	7h 26.6m	-27° 21'	"	"	"	"	22h 40m	23h 50m,	
14227	BD 76657	8h 16.1m	+26° 27'	"	"	"	"	23h 27m		
14228										

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Dec. Feb 9-10, L - Vol. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
19229	H.D. 22403	03 31.2	25 40	T 12½	E 103a-O	.84	-9.1	18 30	20 00	
19230	55 Eridani	04 36.1	10 36	"	"	"	-9.1	20 05	21 25	
	"	"	"	"	"	"		20 09	20 15	
	"	"	"	"	"	"		20 16	20 30	
19231	H.D. 38267	05 33.4	25 04	"	"	"	-9.1	20 36	22 [illegible]	
19232	" 36418	07 11.8	26 31	"	"	"	-9.4	22 25	[illegible]	
19233	" 41038	09 18.3	26 20	"	"	"	-9.6	22 [illegible]	0[illegible]	
19234	" 95153	11 12.4	25 29	"	"	"	-9.5	0[illegible] 12	[illegible]	
19235	" 111219	12 49.3	25 20	"	"	"	-9.5	1 [illegible] 46	[illegible]	
		Feb. 9		L-1						

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	[illegible]	[illegible]	REMARKS
	1 24 W	25 49	0	752 So	1 1-1	AG. 25	Long exposure
		40 52	0	2.9-56	3	Litho 1	
			0	to B	½-1½	5	
	0 24 W		0		1-1-1	9	
	1 31 W	25 06	0	858 Ko	1-1-1	AG. 25	Long Note.
	1 38 W	25 05	0	862 Ko	1-1-1	" "	
	1 46 W	25 14	0	802 Ko	1-1-1		
	2 17 W	25 14	0	806 Ko	1-1-1		1 star
	1 58 W	25 05	0	819 Ko	1-1-1		
		0 to 2.			¾		
						H 20 M	
						3 P M	

Date Tues Feb 10-11, 1945 Hd-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14236	HD32387	00 57.8	24 52	I-12	Σ103aO	008	-8.7	20 39	21 45	1
14237	ζ Eurique	04 35.5	4 56	"	"	"	"	21 49	21 52	2
							-8.7	21 53	21 59	
								22 00	22 12	
14238	HD36024	05 [illegible]	2 [illegible]	"	"	"	-8.7	22 17	23 27	
14239	HD69364	08 [illegible]	25 [illegible]	"	"	"	-8.7	23 [illegible]	[illegible]	
14240	QSO [illegible]	11 [illegible]	19 [illegible]	"	"	"	-8.5	02 [illegible]	[illegible]	

Clearing about 1940

~~Gal Finder Pht #4~~

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	E 1 46	24 53	0	8.26 G5	1, 1, 1	
			0	4.9 Ko E1	3	set 1
		41 00			3	set 5
	W 2 15				1½ - 1½	
	W 1 16	26 29	0	8.51 Ko	1, 1, 1	
	2 45	24 57	0	8.35 Ko	1, 1, 1	A.C. 32 Haze - occasional
	1 45	29 18	0	7.37 Ko	1-1½	
		D.T.B.			6/4	

Thurs, Feb 12 '48. Thin cirrus, >1 occasional Sc. Rh.

Sat Feb 14 '48 high wind until ~ 0000, thin cirrus Wm

Date ~~Wed~~ Sun Feb 15-16, 1914 Hd — Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14241	ζ Aurigae	04 55.5	40 56	I-12	E103a-O	008		21 22	21 26	1
								21 27	21 33	
							-4.6	21 34	21 46	W 2 10
14242	HD 52071	06 [illegible]7	27 18	"	"	"	-4.6	21 50	23 14	4 13

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
2 26			1	4? [illegible] B	3	Set 1
2 33			1		3	" 5
2 46	W 2 10	41 00	1		3	" 9
3 4	W 1 39	27 13	0	[illegible] 17 Ke	1-1-1	Gradually thickening

	MC	SC	MTW	STW
Feb. 16	+59.6	−72.6	+1.0	+0.3

Tues Feb 17-13 Overcast to cloudy until [illegible] - W

Tues. ~~Feb.~~ 17-18 - Arrived 02 10. Too windy to open + light haze. (~~Faint~~ auroral arch.

W.

Date Mid Feb 18-19, 20- Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle Mid
14243	γ Aur.	04h 52m	+40° 56'	I-12"	F	1mm	+ 3°0	18h 31m	18h 35m	
								18h 38m	18h 42m	
								18h 45m	19h 01m	
14244	HD 30111	04h 39m	+38° 30'	"	"	"	"	19h 02m	20h 48m	
14245	HD [illegible]	05h 5m	+43° 14'	"	"	"	+2°5	20h 50m	21h 30m	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21h 35m		
14246 F		Zenith 2m E								

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14246	HD 43745	06h 2m	+42° 56'	1	F	2		12 52	13	
14247	HD 38858	05h 37m	+45° 36'	1	F	2		13 53		

Sat Feb 21 Hd

Changed to 25" Found 12" Focus 12.863 Tilt 20.28

perhaps moved last record (7h6) was 12.890

Set 25" Focus 15.350 Tilt 23.15

276

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS

277

Date Saturday, February 21-22 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14248	H.D. 120974	13 47.1	53 02	I 24	F Vis	1.5 mm 90S	-7.5°	03 40	04 20	
14249	" 115309	13 13.8	04 13	"	"	"	-7.5	04 27	05 [illegible]	
	Focus Test					2.T3				

Sunset at 18:33E

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	0 19W	5B 45	0	6 36 Ao	3-3-3	Binary
	1 30W	03 37	0	6.56 Ao	3-3-3	" ; light clouds
					10-7	Hazy clouding over again
						1 PH. loaded
						5 plates on drive

279

Date ..... Julian Day .....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Ang End
14250	T Tau HD 29763	04h 36m.2	+22° 46'	I-25"		.015	-5.6	18h 43m		
14251	10 min	05h 33m.7	-2° 39'	"	"	"				30
14252	10 Min	06h 25m.0	-4° 42'	"	"	"				
14253	10 min	05h 33m.7	-2° 39'	"	"	"				2
14254	10 min	06h 25m.0	-4° 42'	"	"	"				
14255	5 min	05h 33m.7	-2° 39'	"	"	"				4
14256	10 Min	06h 25m.0	-4° 42'	"	"	"				
14257	HD 24712	03h 58m	+23° 14'	"	"	"		01h 16m	23h 45	
14258	Mc 8-102	05h 32m.4	+32° 18'	"	"	"	-5.6	21h 43m	01	
14259	10 min	06h 11m	+24° 43'	"	"	"	-5.4	21h 21m	03	
14260	10 min	06h 25m	+24° 39'	"	"	"	-5.2	03 15	03	
14261	10 min	06h 47m	+24° 22'	"	"	"	-5.3	03 50	04	2
14262	10 min	06h 47m	+24° 22'	"	"	"	-5.3	04 28	06 34	

Focus Set (4"·3·3")
V.C. =3:20

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	2ᵐ W	+22° 52'	D	Pol B_0	4-4-3	Binary
	3ʰ 30ᵐ E	−2° 38'	"	Pol B_0	10-10-5	"
	0ʰ 12ᵐ E	−4° 45'	"	Pol B_0	5-5	"
	0ʰ 10ᵐ W	−2° 22'	"	Pol B_0	10-10-5	"
	0ʰ 48ᵐ E	+4° 44'	"	Pol B_0	5-5	"
	0ʰ 56ᵐ W	−1° 48'	"	Pol B_0	10-10-5	"
	0ʰ 34ᵐ W	−4° 42'	"	Pol B_0	5-5	"
	0ʰ 18ᵐ W	+23° 12'	E	Pol B_0	3-3-3	23ʰ 15ᵐ
	1ʰ 16ᵐ W	+27° 22'	4	Pol B_0	3-3-3	Planetary
	0ʰ 42ᵐ W	+8 58	D-1	Pol B_0	5-5-5	
	0ʰ 42ᵐ W	+54 22	D-1	3-90 Aa	3-3-3	
	0ʰ 42ᵐ W	+8 47	D-1	6.36 Aa	3-3-3	
	1ʰ 2ᵐ W	+8 47	D-1	Pol B_0	3-3-3	AC 25
		0 I B.				3/4
						4 PM Lowell — 2 Mile Runs
						W. of M

281

Date Monday 11 23-24/42 L-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14863	8 Ori	05 31	-2 39	I-25"	I 103 O	2.24	-06.0	18 50	19 09	1
	"	"	"	"	"			18 55	19 00	
	"	"	"	"	"			19 01	19 05	
14864	10 Ori	05 230	-2 42	"	"	"	-05.0	19 15	19 21	2
14865	9 Ori	05 357	-2 39	"	"	"	-05.0	6 40	19 44	3
	"	"	"	"	"			19 45	19 49	
	"	"	"	"	"			19 50	19 54	
14866	10 Ori	05 230	-2 42	"	"	"	-05.0	20 00	20 16	4
14867	9 Ori	05 357	-2 39	"	"	"	-05.0	20 10	20 21	1
	"	"	"	"	"			20 60	20 27	
	"	"	"	"	"			20 28	20 34	
14868	10 Ori	05 230	-2 42	"	"	"	-05.0	20 38	21 01	2
14869	HD 47230	06 37	04 06	"	"	"	-05.0	21 44	22 34	3
14870	9G2 1G	05 197	57 36	"	"	"	-05.0	22 30	22 43	4
14871	1 070545	" 05.7	60 15	"	"	"	-05.0	23 31	23 31	1
							Night Ends			

Feb. 23 MC +1m01.6 SC -1m08.9 MTW +23.8 STW +0.5

Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	-08 38	0	3.91 B$_2$	4½-4½ Setting 1	
	"		"	4½-4½ " 5	Haze
1 37E	"		"	4½-4½ " 9	"
1 09 E	-04 15	0+1	4.81 B$_3$	3-3-3	Coordinates of Mira changed = 5^h 6^m 5^s Time Check L, MH, JSH, FSH. Setting 11:37+24 13:27-14
	-02 38	0+1	3.94 B$_2$	4½-4½ Setting 1	
	"		"	4½-4½ " 5	
0 12 W	"		"	4½-4½ " 9	
1 17 E	-04 45	0+1	4.81 B$_3$	3-3-3	
	-02 38	0+1	3.94 B$_2$	4½-4½ Setting 1	
	"		"	4½-4½ " 5	
58 W	"		"	4½-4½ " 9	
2 W	-04 45	0	4.81 B$_3$	3-3-3	Haze
33 W	-04 16	0+1	4.51 K$_0$	3-3-3	"
1 W	-03 43	0+1	4.35 A$_{es}$	3-3-3	
1 N	-03 37	0+1	4.06 A$_3$	3-3-3	
	-02 38			Rig	

Date Mar. 7 Eve. 1 W. Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
1 2 3 4 5	H.D. 115709	13 13.8	04 13	1 - 22	E 103a O	.028	-4.9	03 43	* 05 31	3
		Focus	Test							

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	2.11 N	0358 053	0-1	6:56 Ao	3-3-3 BINARY HAZE - [illegible] 10 17
					2 P.H. LONDON Box PLATES NEEDED H on M.
					Tues, Feb 24-5, 1913. Clouds @ sunset; thin overcast filling in steadily. Wm.

285

Date Wed. Feb 23-24, 1949 Mid-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Ang End
14273	σ Ori	05 37	-2 39	I-25	Eu3a0	008	+3.3	18 49	18 53	3
								18 54	18 58	
								18 59	19 03	
14274	10 Mon	06 29.0	-4 42	"	"	"		19 09	19 21	4
14275	τ Tau	04 36.2	+22 46	"	"	"		19 32	19 36	1
							+3.4	19 37	19 45	
								19 45	20 01	
14276	σ Ori							20 08	20 12	2
								20 13	20 17	
								20 18	[illegible]	
14277	10 Mon	06 [illegible]	[illegible]	"	"	"	+3.5	[illegible]	20 46	3
								20 46	20 55	
								20 [illegible]	21 10	
14278	HD [illegible]	[illegible]	[illegible]	"	"	"	+3.5	21 20	22 50	4
14279	HD [illegible]	[illegible]	[illegible]	"	"	"	+3.4	22 54	[illegible]	1
14280	HD [illegible]	[illegible]	[illegible]	"	"	"	[illegible]	23 41	[illegible]	

Set focus 15.467. 286

Ending Time P.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
[illegible]			0	3.54 B_0	3 set 1
[illegible]			0		3 " 6
1703	E 031	−2 39	0		3 " 9
9:	E 1 02	−4 45	[illegible]	4.81 B_3	2−2
[illegible]			[illegible]	4.21 B_5	3 set 1
[illegible]			[illegible]		2−2 " 5
[illegible]	W 1 24	+22 50	[illegible]		2-2 " 9
[illegible]			1	3.54 B_0	3 set 1
[illegible]					3 " 6
[illegible]	W [illegible]				3 " 9
[illegible]			1	4.81 B_3	2-2 set 1
[illegible]			1		4-4 " 6
[illegible]	W [illegible] 07	−4 45	1		4-4 " 9
[illegible]	W 2 15	−4 05	1	7.51 K_0	3-3-3 Range
[illegible]	W 1 10	+9 58	1	6.58 A_0	3-3-3
[illegible]	W 2[illegible] W	[illegible]	1	6.59 A_0	3-3-3 "

Date Sat Feb 28 1914 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14281	10005AF	11 25.7	60 15	1-26	E1c3a0	.1cc5	+3.1	03 46	* 04 00	5
	Focus Test									

Sat Feb 28 Hd
Changed To 12" Focus 12.890 Tilt 20.28
Sat Feb 28 Overcast - Wm
Sun Feb 29 Hd.
Clearing about 2100. Tried 2 Pics but (upper) shutter nails frozen after snow + ice storm on Saturday.

Tues, Mar 2 Overcast & Snow, - Wm

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
	C 35 N	5[illegible] 00	1	8.0 A2	3 - 3 CLOUDS
		O T B.			0/7
					4 P. H. LOADED + 9
					H. ON M.
					MC SC MTW STW
					Mar. 1 +1m04.0 -1m06.5 +11.8 +0m.1

289

Date Tues. March 4, 1919 Min = L **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Ang End
14282	HD 39349	05h 50m	+27° 18'	I-18	E103a-O	60"	-8.7	19 21	19 31	A
14283	HD 32147	06h 53m	+29° 32'	"	"	"	-9.0	20 30	21 40	
14284	HD 31307	05h 30m	+29° 33'	"	"	"	-9.0	21 56		
14285	HD 35046	05h 26m	+27° 19'	"	"	"	-9.1	23 24		
14286	" 100953	11 32m	25 55	"	"	"	-9.1	01 10		
14287	" 122052	13 44m	25 12	"	"	"	-9.1	03 06	04 10	
14288	" 132757	14 35m	27 33	"	"	"	-9.1	04 13	06 11	
	Same Spot					OTB				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
	1ᵐ10	+27°25'	0	8.61 G5		1-1-1	AG 25
	1ᵐ25	+20°16'	0	8.54 G5		1-1-1	AG 25
	1ᵐ17	+26°22	0	8.63 K0		1-1-1	AG 25
	1 43 W	27 05	0	8.57 K0		1-1-1	AG 25
	2 00 W	26 41	0	8.49 G0		1-1-1	" "
	0 48 W	24 36	0	7.5: G5		1-1-1	" "
	1 41 W	27 22	0	8.61 K0		1-1-1	" "
						6/4	Dome temperature at close −7°F, drying wheel at then?
							Say! we're in thunderstorm season all the aluminum off the Secondary!

291

Date Friday, Mar. 5-6, 1948, Yo - 11 Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
14289	WY Gem HD 42474	6h 5m.8	+23° 14'	I-12"	Eastman 103a-O	.01"	-8°.9	19h 00m	20h 05m.3	
14290	HD 63016	7h 4m.7	+28° 05'	"	"	"	"	20h 55m	21h 55m.4	
14291	HD 75615	8h 46m.2	+24° 19'	"	"	"	-8°.1	22h 30m	23h 50m.1	
14292	HD 91366	10h 29m.6	+21° 28'	"	"	"	-8°.2	22h 55m	01 45	
14293	HD 109511	12 30	29 23				-8.1	1 50	03 44	
14294	1 Hya	13 [illegible]	23 53				-8.1	03 51	06 10	

Rad. 5 MC +1"05.5 SC. -1 04.7 MTW -23 5 STW -0 4

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS
	4 13 W	+23° 12'	0	Van M32	1-1-1	
	5 03 W	+29° 46'	1	8.12 G_0	1-1-1	AG 25
	5 43 W	+29° 32'	1	8.15 K_2	1-1-1	AG 25
	1 23 W	+25° 32'	0	8.40 K_0	1-1-1	AG 25
	1 52 W	25 05	0 1	8.37 G_0	1-1-1	
	2 17 W	24 42	0	8.22 K_0	1-1-1	
		B.T.B.			3/4	
						H. on Dd.
						+ P.H. barely + 10

293

Date June Nov. 9-10/48 L-W Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14295	H.D. 39713	05 49.2	20 09	I 12½	E-103a-O	set 0.03	+1.1	19 07	20 37	
14296	" 63455	07 44.1	23 59	"	"	"	+1.0	20 41	22 27	
14297	BD +27°1811	09 42.1	+27 35	"	"	"	+1.0	22 39	01 27	
14298	" 100134	11 51.0	29 11	"	"	"	+1.0	01 12	02 05	
14299	" 123462	13 59.5	22 22	"	"	"	+1.1	03 51	* Error 04 31	
		Bad	Bad							

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.			REMARKS
		29 05	0·	8.57 G2	1-1-1	AG.E5	
		29 21	1	8.83 G2	1-1-1		
	1 1 W	31 21	1	9.03 K0	1-1-1		Haze
	1 1 W	33 54	1 1	8.55 K0	1-1-1		
	0 1 E	36 12	1·0	9.31 G	1-1-1		Haze thinning
		O.T.B.			5/4		

Date Wed. Mar. 10-11, Yu- Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14300	W Y Grm. N D 4 2m 74	$6^h\ 5^m.8$	$+23^\circ\ 14'$	I - 12"	E103a-o	10-8	$-4^\circ.0$	$19^h\ 40^m$	$23^h\ 51^m$	
14301	B C 78 2m	$9^h\ 07^m.7$	$+24^\circ\ 42'$	"	"	"	$-4^\circ.2$	$2^h\ 52^m$	$3^h\ 36^m$	3
~~14302~~	BD 9°1681	$10^h\ 5^m$	$+9^\circ\ 20'$	"	"	"	"	$23^h\ 36^m$		
	3 Trans Zen									

Clouds until 19h 15m

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS

Date Thursday, March 11-12, 1948 Wm. L **Julian Day**

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14302	HD 41456	06h06m4	+20°32'	Z-12	5-30-0	5.8	-6.0°	1905	2035	
14303	HD 60235	07h35m4	+25°11'	"	"	"	-9.0°	2039	2153	
14304	HD 77585	09h03m4	+29°41'	"	"	"	-8.1°	2200	2330	
14305	HD 91164	10h36m4	+25°14'	"	"	"	-5.2	2335	0109	
14306	" 110853	12 49.2	27 37	"	"	"	-6.2	0116	0246	
14307	" 133802	15 35.6	30 36	"	"	"	-8.1	0246	0410	
14308	" 182693	19 38.5	25 03	"	"	"	-6.1	0412	0451	
14309	" 142053	15 47.1	25 37	"	"	"	-8.2	0451	0515	
14310	" 130902	15 35.6	36 38	"	"	"	-6.2	0515	0552	
	Flame Spot					C.T.B.				

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	

Date Friday March 12-13, 1948 - Hd/w Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle End
14311	HD 42397	06 05.4	25° 02	I-12	103aO	003"	-6.2	19 13	20 33	2
14312	~~HD 56629~~ 57069	~~07 12.7~~ 07 14.6	~~29 21~~ +29 35	"	"	"	-6.2	20 36	21 26	3
14313	HD 56629	07 12.7	29 21	"	"	"	-6.2	21 31	22 31	4
14314	HD 8188 55	09 23.1	26 39	"	"	"	-6.2	22 35	23 55	1
14315	HD 89629	10 15.5	28 15	"	"	"	-6.2	23 58		2
14316	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-6.4	[illegible]	[illegible]	[illegible]
14317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-6.4	[illegible]	[illegible]	[illegible]

Try increasing micrometer slightly to 12.895

Set Focus 12.895

300

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.	REMARKS
20 33	4 1 29	25 00	0	8.56 G5	1-1-1
21 20	W 1 13	29 50*	1	~~8.37 K0~~ 7.17 A2	1-1-1 Wrong * Thes * = 1950.0 pos: 07 17.0 29 50
22 5	W 2 20	29 15	1	8.37 K0	1-1-1
23 55	W 1 35	26 26	1	8.71 K0	1-1-1
	2 E W	27 58	1	849 K0	1-1-1 H & 2C
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		D.T.B.			6/4

Date Saturday, March 13-14, 1914 Wm-Lee Julian Day

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.	Hour Angle
14 318	HD 45807	06h 41m	+25° 42'	I-18		2mm	-1.9°C	18 59		
14 319	HD 56417	07h 11m8	-17° 19'	"	"	"	-1.9	19 31	20 01	
14 320	HD 71028	08h 20m	+5° 45'	"	"	"	-1.9	21 07	21 37	
14 321	HD 80169	09h 01m	+25° 16'	"	"	"	-2.2	22 17	0 07	
		Blank Plate								
14 322	H.D. 113711	12h 49	2° 03'	"	"	"	-6.0	0 56	1 26	
14 323	[illegible]	[illegible]	[illegible]	"	"	"	-2.5	2 18	2 48	
		Blank Plate								

Ending Time E.S.T.	Hour Angle End	Declination	Seeing	Ptg. Mag.		REMARKS	

Date..... Julian Day.....

Plate No.	Object	R.A. 1900	Declination 1900	Instrument	Emulsion	Slit	Temperature	Starting Time E.S.T.	Ending Time E.S.T.

Ending Time
E.S.T.

finder field diameter ~ 40'
visitors' eyepiece " ~ 4'